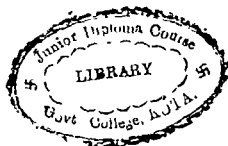


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# CORRECTED TABLES

FOR USE WITH

## SIKES'S GLASS HYDROMETER.

NOTE—In the following Tables, the indications under heading A refer to an extra stem designed for proving high strength spirits at high temperatures.

### *Additional Note.*

In India brass instruments, when employed at all by Excise officers, are used in shop-visiting and district-work only. They should not be used in distilleries or bonded warehouses (unless with a *special* table not yet published). Although the tables for use with glass hydrometers are not designed to be used with brass instruments, they yet give more accurate results than do the older tables supplied by the makers along with the instruments. Consequently, these tables for glass hydrometers may be used, with advantage, in place of the older tables for brass instruments employed in shop visiting and district-work.

## Directions for the use of the Corrected Tables for ascertaining the strengths of spirits by Sikes's *glass* Hydrometer.

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Having poured a sample of the spirits intended to be proved into the trial-glass, ascertain the temperature of the fluid by immersing the thermometer therein. Stir the sample, and wait till the mercury remains stationary. The degree shown on the thermometer scale is the temperature of the spirits.

The various degrees of temperature are indicated at the top of each page, commencing with  $40^{\circ}$  and ending with  $100^{\circ}$  of Fahrenheit's thermometer.

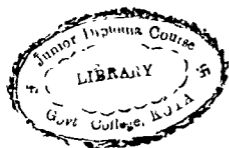
Open the book at the temperature indicated, and select the stem likely to be required. Immerse it in the spirit and press it down to the top-mark on the scale. If the proper stem has been selected, it will float at some division on the stem: this is "the indication." Opposite this indication in the Table will be found the strength of the spirit.

### *Examples —*

- (a) If the hydrometer-stem 20 to 40 sinks to 28.0 (i.e., indication 28) with a temperature of  $40^{\circ}$ , the strength found in the Tables under that temperature at 28 will be found to be 46.3 Over Proof.
- (b) If, again, at temperature  $51^{\circ}$  the hydrometer-stem 10 to 60 floats so as to indicate 43.0 divisions on the stem, then opposite the indication 43 under temperature  $51^{\circ}$  will be found the strength 25.3 Over Proof.
- (c) At temperature  $60^{\circ}$ , indication 69.0, the strength will be found to be 16.3 Under Proof.

Each sub-division of the hydrometer's stem corresponds to 0.2 per cent. of the whole scale (apart from the portion termed A).

The Slide Rule and Comparative Rule as hitherto supplied with the uncorrected Sikes's Tables should not now be employed.



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REVISED SIKES'S TABLES.

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### GLASS HYDROMETER.

**A**

Temperature 40° F.

[illegible]

## GLASS HYDROMETER.

Temperature 40° F.

Divs on Stem	Per cent. over Proof	Divs on Stem	Per cent. over Proof	Divs on Stem	Per cent. over Proof	Divs on Stem	Per cent. under Proof	Divs on Stem	Per cent. under Proof	Divs on Stem	Per cent. under Proof	Divs on Stem	Per cent. under Proof
40	32 3	50	19 6	60	5 1	70	10 9	80	31 8	90	67 2		
2	32 1	2	19 3	2	4 8	2	11 2	2	32 3	2	68 0		
4	31 9	4	19 1	4	4 5	4	11 6	4	32 8	4	68 8		
6	31 6	6	18 8	6	4 2	6	11 9	6	33 3	6	69 6		
8	31 4	8	18 5	8	3 9	8	12 3	8	33 8	8	70 4		
41	31 1	51	18 3	61	3 6	71	12 7	81	34 4	91	71 2		
2	30 9	2	18 0	2	3 3	2	13 1	2	34 9	2	71 9		
4	30 7	4	17 7	4	3 0	4	13 4	4	35 4	4	72 7		
6	30 4	6	17 4	6	2 7	6	13 8	6	35 9	6	73 5		
8	30 2	8	17 1	8	2 4	8	14 2	8	36 5	8	74 2		
42	29 9	52	16 8	62	2 1	72	14 6	82	37 1	92	75 0		
2	29 7	2	16 5	2	1 8	2	15 0	2	37 7	2	75 7		
4	29 5	4	16 3	4	1 5	4	15 4	4	38 3	4	76 5		
6	29 2	6	16 0	6	1 2	6	15 7	6	38 9	6	77 3		
8	28 9	8	15 7	8	0 9	8	16 1	8	39 5	8	78 0		
43	28 6	53	15 4	63	0 6	73	16 5	83	40 1	93	78 7		
2	28 4	2	15 1	2	0 3	2	16 9	2	40 7	2	79 4		
4	28 1	4	14 8	4	0 0	4	17 3	4	41 4	4	80 2		
6	27 9	6	14 6	6	0 3	6	17 7	6	42 0	6	80 9		
8	27 7	8	14 3	8	0 6	8	18 1	8	42 6	8	81 6		
44	27 4	54	14 0	64	1 0	74	18 5	84	43 2	94	82 2		
2	27 1	2	13 7	2	1 3	2	18 9	2	43 8	2	82 9		
4	26 9	4	13 5	4	1 6	4	19 3	4	44 4	4	83 5		
6	26 7	6	13 2	6	1 9	6	19 7	6	45 1	6	84 2		
8	26 4	8	12 9	8	2 3	8	20 1	8	45 7	8	84 9		
45	26 1	55	12 6	65	2 6	75	20 6	85	46 4	95	85 5		
2	25 9	2	12 3	2	2 9	2	21 0	2	47 1	2	86 1		
4	25 7	4	12 0	4	3 2	4	21 5	4	47 9	4	86 8		
6	25 4	6	11 7	6	3 5	6	21 9	6	48 6	6	87 5		
8	25 1	8	11 4	8	3 8	8	22 3	8	49 4	8	88 1		
46	24 9	56	11 1	66	4 2	76	22 8	86	50 2	96	88 7		
2	24 6	2	10 8	2	4 5	2	23 2	2	51 0	2	89 3		
4	24 3	4	10 5	4	4 8	4	23 7	4	51 9	4	89 9		
6	24 1	6	10 2	6	5 2	6	24 2	6	52 7	6	90 5		
8	23 8	8	9 9	8	5 5	8	24 6	8	53 6	8	91 1		
47	23 5	57	9 6	67	5 9	77	25 1	87	54 5	97	91 6		
2	23 3	2	9 3	2	6 2	2	25 5	2	55 4	2	92 2		
4	23 0	4	9 0	4	6 6	4	25 9	4	56 3	4	92 7		
6	22 7	6	8 7	6	6 9	6	26 3	6	57 1	6	93 3		
8	22 5	8	8 4	8	7 2	8	26 7	8	58 0	8	93 8		
48	22 2	58	8 1	68	7 5	78	27 1	88	58 9	98	94 3		
2	22 0	2	7 8	2	7 8	2	27 6	2	59 8	2	94 9		
4	21 7	4	7 5	4	8 2	4	28 0	4	60 6	4	95 4		
6	21 5	6	7 2	6	8 5	6	28 4	6	61 5	6	95 9		
8	21 2	8	6 9	8	8 8	8	28 8	8	62 3	8	96 5		
49	20 9	59	6 6	69	9 2	79	29 2	89	63 1	99	97 1		
2	20 7	2	6 3	2	9 5	2	29 7	2	64 0	2	97 6		
4	20 4	4	6 0	4	9 9	4	30 2	4	64 8	4	98 1		
6	20 1	6	5 7	6	10 2	6	30 7	6	65 6	6	98 7		
8	19 9	8	5 4	8	10 5	8	31 2	8	66 4	8	99 2		
50	19 6	60	5 1	70	10 9	80	31 8	90	67 2	100	99 7		

## GLASS HYDROMETER.

A Temperature 41° F.

Divs. on Stem A	Per cent. over Proof	Divs. on Stem A	Per cent. over Proof	Divs. on Stem	Per cent. over Proof	Divs. on Stem	Per cent. over Proof	Divs. on Stem	Per cent. over Proof	Divs. on Stem	Per cent. over Proof	Divs. on Stem	Per cent. over Proof
0		10		0	70 3	10	63 1	20	54 1	30	43 9		
2		2		2	70 2	2	62 9	2	53 9	2	43 6		
4		4		4	70 1	4	62 7	4	53 7	4	43 4		
6		6		6	70 0	6	62 6	6	53 6	6	43 1		
8		8		8	69 8	8	62 4	8	53 4	8	42 9		
1		11		1	69 7	11	62 3	21	53 2	31	42 6		
2		2		2	69 6	2	62 1	2	53 0	2	42 3		
4		4		4	69 4	4	61 9	4	52 8	4	42 1		
6		6		6	69 3	6	61 7	6	52 6	6	41 8		
8		8		8	69 1	8	61 5	8	52 4	8	41 6		
2		12		2	69 0	12	61 3	22	52 2	32	41 3		
2		2		2	68 9	2	61 1	2	52 0	2	41 1		
4		4		4	68 8	4	61 0	4	51 8	4	40 9		
6		6	75 2	6	68 6	6	60 8	6	51 6	6	40 7		
8		8	75 1	8	68 5	8	60 6	8	51 4	8	40 4		
3		13	75 0	3	68 4	13	60 4	23	51 2	33	40 2		
2		2	74 8	2	68 2	2	60 3	2	51 0	2	39 9		
4		4	74 6	4	68 1	4	60 1	4	50 8	4	39 7		
6		6	74 5	6	68 0	6	59 9	6	50 6	6	39 5		
8		8	74 4	8	67 9	8	59 7	8	50 4	8	39 3		
4		14	74 3	4	67 7	14	59 5	24	50 2	34	39 1		
2		2	74 1	2	67 5	2	59 4	2	50 0	2	38 8		
4		4	74 0	4	67 4	4	59 2	4	49 8	4	38 6		
6		6	73 8	6	67 3	6	59 1	6	49 6	6	38 3		
8		8	73 7	8	67 1	8	58 9	8	49 3	8	38 1		
5		15	73 6	5	66 9	15	58 7	25	49 1	35	37 8		
2		2	73 5	2	66 8	2	58 5	2	48 9	2	37 6		
4		4	73 4	4	66 7	4	58 3	4	48 7	4	37 4		
6		6	73 2	6	66 5	6	58 1	6	48 5	6	37 1		
8		8	73 1	8	66 3	8	57 9	8	48 3	8	36 9		
6		16	73 0	6	66 2	16	57 8	26	48 1	36	36 7		
2		2	72 8	2	66 0	2	57 7	2	47 9	2	36 4		
4		4	72 7	4	65 9	4	57 5	4	47 7	4	36 2		
6		6	72 6	6	65 7	6	57 3	6	47 5	6	36 0		
8		8	72 5	8	65 5	8	57 1	8	47 3	8	35 8		
7		17	72 3	7	65 4	17	56 9	27	47 1	37	35 5		
2		2	72 2	2	65 3	2	56 7	2	46 9	2	35 3		
4		4	72 1	4	65 1	4	56 5	4	46 7	4	35 1		
6		6	71 9	6	65 0	6	56 3	6	46 5	6	34 9		
8		8	71 8	8	64 8	8	56 1	8	46 3	8	34 7		
8		18	71 7	8	64 7	18	56 0	28	46 1	38	34 4		
2		2	71 5	2	64 5	2	55 8	2	45 8	2	34 1		
4		4	71 4	4	64 3	4	55 6	4	45 6	4	33 9		
6		6	71 3	6	64 2	6	55 4	6	45 4	6	33 7		
8		8	71 1	8	64 1	8	55 2	8	45 2	8	33 4		
9		19	71 0	9	63 9	19	55 0	29	44 9	39	33 2		
2		2	70 9	2	63 8	2	54 9	2	44 7	2	33 0		
4		4	70 7	4	63 6	4	54 7	4	44 5	4	32 8		
6		6	70 6	6	63 5	6	54 5	6	44 3	6	32 5		
8		8	70 5	8	63 3	8	54 3	8	44 1	8	32 3		
10		20	70 3	10	63 1	20	54 1	30	43 9	40	32 1		

## GLASS HYDROMETER.

Temperature 41° F.

Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof
40	32 1	50	19 3	60	4 7	70	11 3	80	32 12	90	67 4				
2	31 8	12	19 0	12	4 4	2	11 6	12	32 7	12	68 2				
4	31 6	4	18 7	4	4 1	4	12 0	4	32 2	4	69 0				
6	31 3	6	18 5	6	3 8	6	12 3	6	31 7	6	69 8				
8	31 1	8	18 2	8	3 5	8	12 6	8	31 2	8	70 6				
41	30 9	51	17 9	61	3 2	71	13 0	81	34 7	91	71 4				
2	30 6	2	17 6	2	2 9	2	13 4	2	35 3	2	72 2				
4	30 4	4	17 3	4	2 6	4	13 8	4	35 8	4	72 6				
6	30 1	6	17 1	6	2 3	6	14 2	6	36 3	6	73 7				
8	29 9	8	16 8	8	2 0	8	14 6	8	36 9	8	74 4				
42	29 6	52	16 5	62	1 7	72	15 0	82	37 5	92	75 1				
2	29 3	2	16 2	2	1 4	2	15 4	2	38 1	2	75 8				
4	29 1	4	15 9	4	1 1	4	15 7	4	38 7	4	76 6				
6	28 9	6	15 6	6	0 8	6	16 0	6	39 3	6	77 4				
8	28 7	8	15 4	8	0 5	8	16 4	8	39 9	8	78 1				
43	28 4	53	15 1	63	0 2	73	16 8	83	40 5	93	78 8				
2	28 1	2	14 8	2	0 1	2	17 2	2	41 1	2	79 6				
4	27 9	4	14 5	4	0 4	4	17 6	4	41 7	4	80 2				
6	27 7	6	14 3	6	0 7	6	18 0	6	42 3	6	80 9				
8	27 4	8	14 0	8	1 0	8	18 4	8	42 9	8	81 6				
44	27 1	54	13 7	64	1 3	74	18 8	84	43 5	94	82 3				
2	26 8	2	13 4	2	1 7	2	19 3	2	44 1	2	83 0				
4	26 6	4	13 1	4	2 0	4	19 8	4	44 7	4	83 6				
6	26 3	6	12 9	6	2 3	6	20 2	6	45 4	6	84 3				
8	26 1	8	12 6	8	2 6	8	20 6	8	46 0	8	84 9				
45	25 8	55	12 3	65	2 9	75	21 0	85	46 7	95	85 6				
2	25 5	2	12 0	2	3 3	2	21 4	2	47 4	2	86 2				
4	25 3	4	11 7	4	3 6	4	21 9	4	48 2	4	86 9				
6	25 1	6	11 4	6	3 9	6	22 3	6	48 9	6	87 5				
8	24 8	8	11 1	8	4 2	8	22 7	8	49 7	8	88 1				
46	24 5	56	10 8	66	4 5	76	23 2	86	50 3	96	88 7				
2	24 3	2	10 5	2	4 9	2	23 7	2	51 3	2	89 3				
4	24 0	4	10 2	4	5 2	4	24 1	4	52 1	4	89 9				
6	23 7	6	9 9	6	5 5	6	24 6	6	53 0	6	90 5				
8	23 5	8	9 6	8	5 9	8	25 0	8	53 8	8	91 1				
47	23 2	57	9 3	67	6 2	77	25 4	87	54 7	97	91 7				
2	23 0	2	9 0	2	6 6	2	25 8	2	55 6	2	92 2				
4	22 7	4	8 7	4	6 9	4	26 3	4	56 5	4	92 7				
6	22 5	6	8 3	6	7 2	6	26 7	6	57 3	6	93 3				
8	22 2	8	8 0	8	7 5	8	27 1	8	58 2	8	94 9				
48	21 9	58	7 7	68	7 9	78	27 5	88	59 1	98	94 4				
2	21 7	2	7 4	2	8 2	2	27 9	2	60 0	2	94 9				
4	21 4	4	7 1	4	8 5	4	28 3	4	60 8	4	95 4				
6	21 2	6	6 8	6	8 8	6	28 7	6	61 7	6	95 9				
8	20 9	8	6 5	8	9 1	8	29 1	8	62 6	8	96 5				
49	20 6	59	6 2	69	9 5	79	29 6	89	63 3	99	97 1				
2	20 4	2	5 9	2	9 9	2	30 1	2	64 2	2	97 6				
4	20 1	4	5 6	4	10 2	4	30 6	4	65 0	4	98 1				
6	19 8	6	5 3	6	10 5	6	31 1	6	65 8	6	98 7				
8	19 6	8	5 0	8	10 9	8	31 7	8	66 6	8	99 2				
50	19 3	60	4 7	70	11 3	80	32 2	90	67 4	100	99 7				

## GLASS HYDROMETER.

A

Temperature 42° F.

Days on Stem A	Per cent over Proof	Days on Stem A	Per cent. over Proof	Days on Stem	Per cent over Proof	Days on Stem	Per cent over Proof	Days on Stem	Per cent over Proof	Days on Stem	Per cent over Proof	Days on Stem	Per cent over Proof	Days on Stem	Per cent over Proof
0		10		0	70 1	10	62 9	20	53 9	30	43 5				
2		12		2	70 0	12	62 7	22	53 7	32	43 3				
4		14		4	69 9	14	62 5	24	53 5	34	43 1				
6		16		6	69 8	16	62 4	26	53 3	36	42 8				
8		18		8	69 6	18	62 2	28	53 1	38	42 6				
1		20		1	69 5	20	62 1	30	52 9	40	42 3				
2		22		2	69 4	22	61 9	32	52 7	42	42 0				
4		24		4	69 2	24	61 7	34	52 5	44	41 8				
6		26		6	69 1	26	61 5	36	52 3	46	41 5				
8		28		8	69 0	28	61 3	38	52 1	48	41 3				
12		30		12	68 8	30	61 1	40	51 9	50	41 0				
2		32	75 2	2	68 7	32	60 9	42	51 7	52	40 8				
4		34	75 1	4	68 6	34	60 7	44	51 5	54	40 5				
6		36	75 0	6	68 4	36	60 5	46	51 3	56	40 3				
8		38	74 8	8	68 3	38	60 4	48	51 1	58	40 1				
3		40	74 7	3	68 2	40	60 2	50	50 9	60	39 9				
2		42	74 6	2	68 0	42	60 1	52	50 7	62	39 7				
4		44	74 4	4	67 9	44	59 9	54	50 5	64	39 5				
6		46	74 3	6	67 8	46	59 7	56	50 3	66	39 2				
8		48	74 2	8	67 7	48	59 5	58	50 1	68	39 0				
1		50	74 1	1	67 5	50	59 3	60	49 9	70	38 7				
2		52	73 9	2	67 3	52	59 1	62	49 7	72	38 5				
4		54	73 8	4	67 2	54	58 9	64	49 5	74	38 3				
6		56	73 7	6	67 1	56	58 8	66	49 3	76	38 0				
8		58	73 5	8	66 9	58	58 6	68	49 1	78	37 8				
5		60	73 4	5	66 7	60	58 5	70	48 9	80	37 5				
2		62	73 3	2	66 6	62	58 3	72	48 7	82	37 3				
4		64	73 2	4	66 5	64	58 1	74	48 5	84	37 1				
6		66	73 0	6	66 3	66	57 9	76	48 3	86	36 8				
8		68	72 9	8	66 1	68	57 7	78	48 1	88	36 6				
6		70	72 8	6	66 0	70	57 5	80	47 9	90	36 4				
2		72	72 6	2	65 8	72	57 4	82	47 7	92	36 1				
4		74	72 5	4	65 7	74	57 2	84	47 5	94	35 9				
6		76	72 4	6	65 5	76	57 1	86	47 3	96	35 7				
8		78	72 3	8	65 3	78	56 9	88	47 1	98	35 5				
1		80	72 1	1	65 2	80	56 7	90	46 9	100	35 3				
2		82	72 0	2	65 1	82	56 5	92	46 7		35 0				
4		84	71 9	4	64 9	84	56 3	94	46 5		34 8				
6		86	71 7	6	64 8	86	56 1	96	46 2		34 6				
8		88	71 6	8	64 6	88	55 9	98	46 0		34 4				
8		90	71 5	8	64 5	90	55 7	100	45 7		34 1				
2		92	71 3	2	64 3	92	55 5		45 5		33 9				
4		94	71 2	4	64 1	94	55 3		45 3		33 7				
6		96	71 1	6	64 0	96	55 1		45 1		33 5				
8		98	70 9	8	63 9	98	55 0		44 9		33 2				
9		100	70 8	9	63 7		54 8		44 7		32 9				
2		102	70 7	2	63 6		54 6		44 5		32 7				
4		104	70 5	4	63 4		54 4		44 2		32 5				
6		106	70 4	6	63 3		54 2		44 0		32 2				
8		108	70 3	8	63 1		54 0		43 7		32 0				
10		110	70 1	10	62 9		53 9		43 5		31 7				

## GLASS HYDROMETER.

Temperature 42° F.

Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof
40	31 7	50	19 0	60	4 4	70	11 6	80	32 6	90	67 6		
2	31 5	2	18 7	2	4 1	2	12 0	2	33 1	2	68 4		
4	31 3	4	18 4	4	3 8	4	12 3	4	33 6	4	69 2		
6	31 0	6	18 1	6	3 5	6	12 6	6	34 1	6	69 9		
8	30 8	8	17 9	8	3 2	8	13 0	8	34 6	8	70 7		
41	30 5	51	17 6	61	2 9	71	13 4	81	35 1	91	71 4		
2	30 3	2	17 3	2	2 6	2	13 8	2	35 7	2	72 2		
4	30 1	4	17 0	4	2 3	4	14 2	4	36 2	4	73 0		
6	29 8	6	16 8	6	2 0	6	14 5	6	36 7	6	73 7		
8	29 6	8	16 5	8	1 7	8	14 9	8	37 3	8	74 5		
42	29 3	52	16 2	62	1 4	72	15 3	82	37 9	92	75 2		
2	29 1	2	15 9	2	1 1	2	15 7	2	38 5	2	76 0		
4	28 8	4	15 6	4	0 8	4	16 1	4	39 1	4	76 7		
6	28 5	6	15 3	6	0 5	6	16 4	6	39 7	6	77 4		
8	28 3	8	15 1	8	0 2	8	16 8	8	40 3	8	78 2		
43	28 1	53	14 8	63	0 1	73	17 2	83	40 9	93	78 9		
2	27 8	2	14 5	2	0 4	2	17 6	2	41 5	2	79 6		
4	27 5	4	14 2	4	0 7	4	18 0	4	42 1	4	80 3		
6	27 3	6	14 0	6	1 0	6	18 4	6	42 7	6	81 0		
8	27 1	8	13 7	8	1 3	8	18 8	8	43 3	8	81 7		
44	26 8	54	13 4	64	1 7	74	19 3	84	43 9	94	82 3		
2	26 5	2	13 1	2	2 0	2	19 7	2	44 5	2	83 0		
4	26 3	4	12 8	4	2 3	4	20 2	4	45 1	4	83 6		
6	26 0	6	12 5	6	2 6	6	20 6	6	45 8	6	84 3		
8	25 8	8	12 2	8	2 9	8	21 0	8	46 5	8	84 9		
45	25 5	55	11 9	65	3 3	75	21 4	85	47 2	95	85 6		
2	25 2	2	11 6	2	3 6	2	21 9	2	47 9	2	86 3		
4	25 0	4	11 3	4	3 9	4	22 3	4	48 6	4	86 9		
6	24 7	6	11 0	6	4 2	6	22 8	6	49 3	6	87 6		
8	24 5	8	10 7	8	4 5	8	23 2	8	50 1	8	88 2		
46	24 2	56	10 4	66	4 9	76	23 6	86	50 9	96	88 7		
2	23 9	2	10 1	2	5 2	2	24 1	2	51 7	2	89 3		
4	23 7	4	9 8	4	5 5	4	24 5	4	52 5	4	89 9		
6	23 4	6	9 5	6	5 9	6	25 0	6	53 3	6	90 5		
8	23 2	8	9 2	8	6 2	8	25 4	8	54 2	8	91 1		
47	22 9	57	8 9	67	6 6	77	25 8	87	55 0	97	91 6		
2	22 7	2	8 6	2	6 9	2	26 2	2	55 9	2	92 2		
4	22 4	4	8 3	4	7 3	4	26 6	4	56 7	4	92 8		
6	22 2	6	8 0	6	7 6	6	27 0	6	57 6	6	93 4		
8	21 9	8	7 7	8	7 9	8	27 4	8	58 5	8	93 9		
48	21 6	58	7 4	68	8 2	78	27 8	88	59 3	98	94 4		
2	21 4	2	7 1	2	8 5	2	28 2	2	60 2	2	94 9		
4	21 1	4	6 8	4	8 9	4	28 6	4	61 0	4	95 5		
6	20 9	6	6 5	6	9 2	6	29 0	6	61 9	6	96 1		
8	20 6	8	6 2	8	9 5	8	29 5	8	62 8	8	96 6		
49	20 3	59	5 9	69	9 9	79	30 0	89	63 6	99	97 1		
2	20 1	2	5 6	2	10 2	2	30 5	2	64 5	2	97 6		
4	19 8	4	5 3	4	10 6	4	31 0	4	65 3	4	98 2		
6	19 5	6	5 0	6	10 9	6	31 6	6	66 1	6	98 7		
8	19 3	8	4 7	8	11 2	8	32 1	8	66 8	8	99 2		
50	19 0	60	4 4	70	11 6	80	32 6	90	67 6	100	99 7		

## GLASS HYDROMETER

A

Temperature 43° F.

Divs on Stem A	Per cent over Proof	Divs on Stem A	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof
0		10		0	69 9	10	62 7	20	53 6	30	43 2		
12		12		2	69 8	2	62 5	2	53 4	2	43 0		
4		4		4	69 7	4	62 3	4	53 3	4	42 7		
6		6		6	69 6	6	62 1	6	53 1	6	42 5		
8		8		8	69 4	8	61 9	8	52 9	8	42 3		
1		11		1	69 3	11	61 8	21	52 7	31	42 0		
2		2		2	69 2	2	61 6	2	52 5	2	41 7		
4		4		4	69 0	4	61 4	4	52 3	4	41 5		
6		6		6	68 9	6	61 3	6	52 1	6	41 2		
8		8	75 2	8	68 8	8	61 1	8	51 9	8	41 0		
12		12	75 1	2	68 6	12	60 9	22	51 7	32	40 7		
2		2	75 0	2	68 5	2	60 7	2	51 5	2	40 5		
4		4	74 8	4	68 4	4	60 5	4	51 3	4	40 3		
6		6	74 7	6	68 2	6	60 3	6	51 1	6	40 1		
8		8	74 6	8	68 1	8	60 1	8	50 9	8	39 8		
3		13	74 5	3	68 0	13	59 9	23	50 7	33	39 6		
2		2	74 4	2	67 8	2	59 8	2	50 5	2	39 4		
4		4	74 2	4	67 7	4	59 6	4	50 3	4	39 2		
6		6	74 1	6	67 6	6	59 5	6	50 1	6	38 9		
8		8	74 0	8	67 5	8	59 3	8	49 9	8	38 7		
4		14	73 9	4	67 3	14	59 1	24	49 7	34	38 5		
2		2	73 7	2	67 1	2	58 9	2	49 5	2	38 2		
4		4	73 6	4	67 0	4	58 7	4	49 2	4	37 9		
6		6	73 5	6	66 9	6	58 6	6	49 0	6	37 7		
8		8	73 3	8	66 7	8	58 4	8	48 8	8	37 5		
5		15	73 2	5	66 5	15	58 2	25	48 6	35	37 3		
2		2	73 1	2	66 4	2	58 1	2	48 4	2	37 0		
4		4	73 0	4	66 3	4	57 9	4	48 2	4	36 8		
6		6	72 8	6	66 1	6	57 7	6	48 0	6	36 5		
8		8	72 7	8	65 9	8	57 5	8	47 8	8	36 3		
6		16	72 6	6	65 8	16	57 3	26	47 6	36	36 1		
2		2	72 4	2	65 6	2	57 2	2	47 4	2	35 9		
4		4	72 3	4	65 5	4	57 0	4	47 2	4	35 7		
6		6	72 2	6	65 3	6	56 8	6	47 0	6	35 4		
8		8	72 1	8	65 1	8	56 6	8	46 8	8	35 2		
7		17	71 9	7	65 0	17	56 4	27	46 6	37	35 0		
2		2	71 8	2	64 9	2	56 3	2	46 4	2	34 7		
4		4	71 7	4	64 7	4	56 1	4	46 1	4	34 5		
6		6	71 5	6	64 6	6	55 9	6	45 9	6	34 3		
8		8	71 4	8	64 4	8	55 7	8	45 7	8	34 1		
8		18	71 3	8	64 3	18	55 5	28	45 5	38	33 8		
2		2	71 1	2	64 1	2	55 3	2	45 3	2	33 5		
4		4	71 0	4	63 9	4	55 1	4	45 1	4	33 3		
6		6	70 9	6	63 8	6	54 9	6	44 8	6	33 1		
8		8	70 7	8	63 7	8	54 7	8	44 6	8	32 9		
9		19	70 6	9	63 5	19	54 5	29	44 4	39	32 7		
2		2	70 5	2	63 3	2	54 3	2	44 2	2	32 4		
4		4	70 3	4	63 1	4	54 1	4	44 0	4	32 2		
6		6	70 2	6	63 0	6	53 9	6	43 7	6	31 9		
8		8	70 1	8	62 8	8	53 8	8	43 5	8	31 7		
10		20	69 9	10	62 7	20	53 6	30	43 2	40	31 5		

## GLASS HYDROMETER

Temperature 43° F.

Divs on Stem	Per cent. over Proof	Divs on Stem	Per cent. over Proof	Divs on Stem	Per cent. over Proof	Divs on Stem	Per cent. under Proof	Divs on Stem	Per cent. under Proof	Divs on Stem	Per cent. under Proof	Divs on Stem	Per cent. under Proof	Divs on Stem	Per cent. under Proof
40	31 5	50	18 6	60	4 1	70	12 0	80	33 1	90	67 8				
2	31 2	2	18 3	2	3 8	2	12 3	2	33 6	2	68 6				
4	31 0	4	18 1	4	3 5	4	12 7	4	34 1	4	69 3				
6	30 7	6	17 8	6	3 2	6	13 0	6	34 6	6	70 1				
8	30 5	8	17 6	8	2 9	8	13 4	8	35 1	8	70 9				
41	30 3	51	17 3	61	2 6	71	13 7	81	35 6	91	71 7				
2	30 0	2	17 0	2	2 3	2	14 1	2	36 1	2	72 4				
4	29 8	4	16 7	4	2 0	4	14 5	4	36 6	4	73 1				
6	29 5	6	16 4	6	1 7	6	14 9	6	37 2	6	73 8				
8	29 3	8	16 1	8	1 4	8	15 3	8	37 8	8	74 6				
42	29 0	52	15 8	62	1 1	72	15 7	82	38 4	92	75 3				
2	28 7	2	15 5	2	0 8	2	16 1	2	39 0	2	76 0				
4	28 5	4	15 3	4	0 5	4	16 4	4	39 6	4	76 8				
6	28 3	6	15 0	6	0 2	6	16 8	6	40 2	6	77 5				
8	28 1	8	14 7	8	0 1	8	17 2	8	40 8	8	78 3				
43	27 8	53	14 5	63	0 4	73	17 6	83	41 4	93	79 0				
2	27 5	2	11 2	2	0 7	2	18 0	2	42 0	2	79 7				
4	27 3	4	13 9	4	1 1	4	18 4	4	42 6	4	80 4				
6	27 1	6	13 7	6	1 4	6	18 8	6	43 2	6	81 0				
8	26 8	8	13 4	8	1 7	8	19 2	8	43 8	8	81 7				
44	26 5	54	13 1	64	2 0	74	19 6	84	44 4	94	82 4				
2	26 2	2	12 8	2	2 3	2	20 1	2	45 0	2	83 0				
4	26 0	4	12 5	4	2 7	4	20 6	4	45 6	4	83 6				
6	25 7	6	12 2	6	3 0	6	21 0	6	46 2	6	84 3				
8	25 5	8	11 9	8	3 3	8	21 4	8	47 0	8	85 0				
45	25 2	55	11 6	65	3 6	75	21 8	85	47 7	95	85 6				
2	24 9	2	11 3	2	3 9	2	22 3	2	48 4	2	86 2				
4	24 7	4	11 0	4	4 3	4	22 8	4	49 1	4	86 9				
6	24 4	6	10 7	6	4 6	6	23 2	6	49 8	6	87 6				
8	24 2	8	10 4	8	4 9	8	23 6	8	50 6	8	88 2				
46	23 0	56	10 1	66	5 2	76	24 0	86	51 4	96	88 8				
2	23 6	2	9 8	2	5 5	2	24 5	2	52 2	2	89 4				
4	23 4	4	9 5	4	5 9	4	24 9	4	53 0	4	90 0				
6	23 1	6	9 2	6	6 2	6	25 3	6	53 8	6	90 6				
8	22 9	8	8 9	8	6 6	8	25 7	8	54 6	8	91 2				
47	22 6	57	8 6	67	7 0	77	26 1	87	55 4	97	91 7				
2	22 3	2	8 3	2	7 3	2	26 6	2	56 2	2	92 2				
4	22 0	4	8 0	4	7 6	4	27 0	4	57 1	4	92 8				
6	21 7	6	7 7	6	7 9	6	27 4	6	57 9	6	93 4				
8	21 5	8	7 4	8	8 2	8	27 8	8	58 8	8	93 9				
48	21 2	58	7 1	68	8 5	78	28 2	88	59 6	98	94 4				
2	20 9	2	6 8	2	8 9	2	28 6	2	60 4	2	94 9				
4	20 7	4	6 5	4	9 2	4	29 0	4	61 3	4	95 5				
6	20 4	6	6 2	6	9 5	6	29 4	6	62 2	6	96 0				
8	20 2	8	5 9	8	9 9	8	29 9	8	63 0	8	96 6				
49	19 9	59	5 6	69	10 2	79	30 4	89	63 8	99	97 1				
2	19 7	2	5 3	2	10 6	2	30 9	2	64 6	2	97 7				
4	19 4	4	5 0	4	10 9	4	31 4	4	65 4	4	98 2				
6	19 2	6	4 7	6	11 2	6	32 0	6	66 2	6	98 7				
8	18 9	8	4 4	8	11 6	8	32 6	8	67 0	8	99 2				
50	18 6	60	4 1	70	12 0	80	33 1	90	67 8	100	99 7				

## GLASS HYDROMETER

A

Temperature 44° F.

Divs on Stem A	Per cent. over Proof	Divs on Stem A	Per cent. over Proof	Divs on Stem	Per cent. over Proof	Divs on Stem	Per cent. over Proof	Divs on Stem	Per cent. over Proof	Divs on Stem	Per cent. over Proof
0		10		0	69.7	10	62.5	20	53.4	30	43.0
12		12		2	69.6	2	62.3	12	53.2	12	42.7
4		4		4	69.5	4	62.1	4	53.0	4	42.4
6		6		6	69.4	6	61.9	6	52.9	6	42.1
8		8		8	69.2	8	61.7	8	52.7	8	41.9
1		11		1	69.1	11	61.5	21	52.5	21	41.7
2		2		2	69.0	2	61.4	2	52.3	2	41.4
4		4	75.2	4	68.8	4	61.2	4	52.1	4	41.1
6		6	75.1	6	68.7	6	61.0	6	51.9	6	40.9
8		8	75.0	8	68.6	8	60.8	8	51.7	8	40.7
2		12	74.8	2	68.4	12	60.7	22	51.5	22	40.4
4		2	74.7	2	68.3	2	60.5	2	51.3	2	40.2
6		1	74.6	4	68.2	4	60.3	4	51.1	4	40.0
8		6	74.5	6	68.0	6	60.1	6	50.9	6	39.8
3		8	74.4	8	67.9	8	59.9	8	50.6	8	39.5
2		13	74.3	3	67.8	13	59.7	23	50.4	23	39.3
4		2	74.2	2	67.6	2	59.6	2	50.2	2	39.1
6		4	74.0	4	67.5	4	59.4	4	50.0	4	38.9
8		6	73.9	6	67.4	6	59.2	6	49.8	6	38.6
4		8	73.8	8	67.3	8	59.0	8	49.6	8	38.4
2		14	73.7	4	67.1	14	58.9	24	49.4	24	38.1
4		2	73.5	2	66.9	2	58.7	2	49.2	2	37.9
6		4	73.4	4	66.7	4	58.5	4	49.0	4	37.7
8		6	73.3	6	66.6	6	58.3	6	48.8	6	37.4
5		8	73.2	8	66.5	8	58.1	8	48.6	8	37.2
2		15	73.0	5	66.3	15	58.0	25	48.4	25	36.9
4		2	72.9	2	66.2	2	57.8	2	48.2	2	36.7
6		4	72.8	4	66.0	4	57.6	4	48.0	4	36.5
8		6	72.6	6	65.9	6	57.5	6	47.7	6	36.3
6		8	72.5	8	65.7	8	57.3	8	47.5	8	36.1
2		16	72.4	6	65.6	16	57.1	26	47.3	26	35.8
4		2	72.2	2	65.4	2	56.9	2	47.1	2	35.6
6		4	72.1	4	65.3	4	56.7	4	46.9	4	35.4
8		6	72.0	6	65.1	6	56.5	6	46.7	6	35.1
7		8	71.9	8	65.0	8	56.3	8	46.5	8	34.9
2		17	71.7	7	64.8	17	56.1	27	46.3	27	34.7
4		2	71.6	2	64.7	2	56.0	2	46.1	2	34.5
6		4	71.5	4	64.5	4	55.8	4	45.9	4	34.3
8		6	71.3	6	64.4	6	55.6	6	45.7	6	34.0
8		8	71.2	8	64.2	8	55.4	8	45.5	8	33.8
8		18	71.1	8	64.0	18	55.3	28	45.3	28	33.5
2		2	70.9	2	63.9	2	55.1	2	45.2	2	33.3
4		4	70.8	4	63.8	4	54.9	4	44.9	4	33.1
6		6	70.7	6	63.6	6	54.7	6	44.7	6	32.8
8		8	70.5	8	63.5	8	54.5	8	44.5	8	32.6
9		19	70.4	9	63.3	19	54.3	29	44.3	29	32.3
2		2	70.3	2	63.1	2	54.1	2	44.1	2	32.1
4		4	70.1	4	62.9	4	53.9	4	43.9	4	31.9
6		6	70.0	6	62.8	6	53.7	6	43.6	6	31.6
8		8	69.9	8	62.6	8	53.5	8	43.3	8	31.4
10		20	69.7	10	62.5	20	53.4	30	43.1	30	31.1
									42.9	40	

## GLASS HYDROMETER.

Temperature 44° F.

Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof
40	31 1	50	18 3	60	3 8	70	12 3	80	33 5	90	67 9		
2	30 9	12	18 0	2	3 5	2	12 7	2	34 0	2	68 7		
4	30 7	4	17 8	4	3 2	4	13 1	4	34 5	4	69 5		
6	30 5		17 5	6	2 9	6	13 4	6	35 0	6	70 3		
8	30 3	8	17 3	8	2 6	8	13 7	8	35 5	8	71 0		
41	30 0	51	17 0	61	2 3	71	14 1	81	36 0	91	71 7		
2	29 7	2	16 7	2	2 0	2	14 5	2	36 5	2	72 5		
4	29 5	4	16 4	4	1 7	4	14 9	4	37 0	4	73 2		
6	29 2	6	16 1	6	1 4	6	15 3	6	37 6	6	73 9		
8	29 0	8	15 8	8	1 1	8	15 7	8	38 2	8	74 7		
42	28 7	52	15 5	62	0 8	72	16 1	82	39 8	92	75 4		
2	28 4	2	15 2	2	0 5	2	16 5	2	39 4	2	76 1		
4	28 2	4	14 9	4	0 2	4	16 9	4	40 0	4	76 8		
6	27 9	6	14 7	6	0 1	6	17 2	6	40 6	6	77 5		
8	27 7	8	14 5	8	0 4	8	17 6	8	41 2	8	78 2		
43	27 5	53	14 2	63	0 7	73	18 0	83	41 8	93	79 0		
2	27 2	2	13 9	2	1 1	2	18 4	2	42 5	2	79 7		
4	26 9	4	13 6	4	1 4	4	18 8	4	43 1	4	80 4		
6	26 7	6	13 4	6	1 7	6	19 2	6	43 7	6	81 1		
8	26 5	8	13 1	8	2 0	8	19 6	8	44 3	8	81 8		
44	26 2	54	12 8	64	2 3	74	20 1	84	44 9	94	82 4		
2	25 9	2	12 5	2	2 7	2	20 5	2	45 5	2	83 1		
4	25 7	4	12 2	4	3 0	4	21 0	4	46 1	4	83 7		
6	25 4	6	11 9	6	3 3	6	21 4	6	46 8	6	84 4		
8	25 2	8	11 6	8	3 6	8	21 8	8	47 5	8	85 0		
45	24 9	55	11 3	65	3 9	75	22 2	85	48 2	95	85 7		
2	24 6	2	11 0	2	4 3	2	22 7	2	48 9	2	86 3		
4	24 3	4	10 7	4	4 6	4	23 2	4	49 7	4	86 9		
6	24 1	6	10 4	6	4 9	6	23 6	6	50 4	6	87 5		
8	23 9	8	10 1	8	5 2	8	24 0	8	51 2	8	88 1		
46	23 6	56	9 8	66	5 5	76	24 4	86	51 9	96	88 7		
2	23 3	2	9 5	2	5 9	2	24 9	2	52 7	2	89 3		
4	23 0	4	9 2	4	6 2	4	25 3	4	53 4	4	89 9		
6	22 7	6	8 9	6	6 6	6	25 7	6	54 2	6	90 5		
8	22 5	8	8 6	8	6 9	8	26 1	8	55 0	8	91 1		
47	22 2	57	8 3	67	7 3	77	26 5	87	55 8	97	91 7		
2	21 9	2	8 0	2	7 6	2	26 9	2	56 6	2	92 2		
4	21 7	4	7 7	4	7 9	4	27 3	4	57 4	4	92 8		
6	21 4	6	7 4	6	8 2	6	27 7	6	58 2	6	93 4		
8	21 1	8	7 1	8	8 5	8	28 1	8	59 1	8	93 9		
48	20 9	58	6 8	68	8 9	78	28 5	88	59 9	98	94 4		
2	20 6	2	6 5	2	9 2	2	28 9	2	60 7	2	95 0		
4	20 4	4	6 2	4	9 6	4	29 4	4	61 5	4	95 5		
6	20 1	6	5 9	6	9 9	6	29 8	6	62 4	6	96 1		
8	19 9	8	5 6	8	10 2	8	30 3	8	63 2	8	96 6		
49	19 7	59	5 3	69	10 6	79	30 8	89	64 0	99	97 2		
2	19 4	2	5 0	2	10 9	2	31 4	2	64 8	2	97 7		
4	19 1	4	4 7	4	11 3	4	31 9	4	65 6	4	98 2		
6	18 9	6	4 4	6	11 6	6	32 4	6	66 4	6	98 7		
8	18 6	8	4 1	8	11 9	8	33 0	8	67 1	8	99 2		
50	18 3	60	3 9	70	12 3	80	33 5	90	67 9	100	99 7		

## GLASS HYDROMETER.

A

Temperature 45° F.

Dive on Stem A	Per cent. over Proof	Dive on Stem A	Per cent. over Proof	Dive on Stem	Per cent. over Proof	Dive on Stem	Per cent. over Proof	Dive on Stem	Per cent. over Proof	Dive on Stem	Per cent. over Proof
0		10		0	69 5	10	62 2	20	53 1	30	42 6
2		2		2	69 4	2	62 1	2	53 0	2	42 3
4		4		4	69 3	4	61 9	4	52 8	4	42 1
6		6		6	69 2	6	61 7	6	52 6	6	41 8
8		8		8	69 0	8	61 5	8	52 4	8	41 6
1		11		1	68 9	11	61 3	21	52 2	31	41 3
2		2	75 2	2	68 8	2	61 1	2	52 0	2	41 1
4		4	75 1	4	68 6	4	60 9	4	51 8	4	40 9
6		6	75 0	6	68 5	6	60 7	6	51 6	6	40 6
8		8	74 8	8	68 4	8	60 5	8	51 4	8	40 4
2		12		2	68 2	12	60 4	22	51 2	32	40 1
4		2	74 7	2	68 1	2	60 2	2	51 0	2	39 9
6		4	74 6	4	68 0	4	60 1	4	50 8	4	39 7
8		6	74 5	6	67 8	6	59 9	6	50 6	6	39 5
2		8	74 4	8	67 7	8	59 7	8	50 3	8	39 3
3		13		3	67 6	13	59 5	23	50 1	33	39 1
4		2	74 1	2	67 4	2	59 3	2	49 9	2	38 8
6		4	74 0	4	67 3	4	59 1	4	49 7	4	38 6
8		6	73 9	6	67 2	6	59 0	6	49 5	6	38 3
4		8	73 7	8	67 0	8	58 9	8	49 3	8	38 1
6		14		4	66 9	14	58 7	24	49 1	34	37 9
8		2	73 5	2	66 7	2	58 5	2	48 9	2	37 6
2		4	73 3	4	66 5	4	58 3	4	48 7	4	37 4
4		6	73 2	6	66 4	6	58 1	6	48 5	6	37 1
6		8	73 1	8	66 3	8	57 9	8	48 3	8	36 9
8		15		5	66 2	15	57 7	25	48 1	35	36 7
2		2	73 0	2	66 1	2	57 6	2	47 9	2	36 4
4		4	72 8	4	65 9	4	57 4	4	47 7	4	36 2
6		6	72 7	6	65 8	6	57 2	6	47 5	6	36 0
8		8	72 6	8	65 6	8	57 0	8	47 3	8	35 8
2		16		6	65 5	16	56 9	26	47 1	36	35 5
4		2	72 3	2	65 3	2	56 7	2	46 9	2	35 3
6		4	72 2	4	65 2	4	56 5	4	46 7	4	35 1
8		6	72 1	6	65 1	6	56 3	6	46 5	6	34 9
2		8	71 9	8	64 9	8	56 1	8	46 2	8	34 7
4		17		7	64 7	17	55 9	27	46 0	37	34 4
6		2	71 7	2	64 6	2	55 7	2	45 8	2	34 1
8		4	71 6	4	64 5	4	55 5	4	45 6	4	33 9
2		6	71 4	6	64 3	6	55 3	6	45 4	6	33 7
4		8	71 3	8	64 2	8	55 1	8	45 2	8	33 5
6		18		9	64 0	18	55 0	28	44 9	38	33 3
8		2	71 0	2	63 9	2	54 8	2	44 7	2	33 0
2		4	70 9	4	63 7	4	54 6	4	44 5	4	32 8
4		6	70 7	6	63 5	6	54 4	6	44 3	6	32 5
6		8	70 6	8	63 4	8	54 3	8	44 1	8	32 3
8		19		9	63 2	19	54 1	29	43 8	39	32 1
2		2	70 3	2	63 1	2	53 9	2	43 6	2	31 9
4		4	70 2	4	62 9	4	53 7	4	43 3	4	31 6
6		6	70 1	6	62 7	6	53 5	6	43 1	6	31 3
8		8	69 9	8	62 5	8	53 3	8	42 8	8	31 1
2		20		10	62 3	20	53 1	30	42 6	40	30 9
4		2	69 8	2	62 2	2		2		2	
6		4	69 7	4		4		4		4	
8		6	69 5	6		6		6		6	

## GLASS HYDROMETER.

Temperature 45° F.

Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof
40	30 9	50	18 0	60	3 4	70	12 7	80	33 7	90	68 1
12	30 6	12	17 7	12	3 1	12	13 0	12	34 2	12	68 9
4	30 4	4	17 4	4	2 8	4	13 4	4	34 8	4	69 7
6	30 1	6	17 1	6	2 5	6	13 8	6	35 3	6	70 5
8	29 9	8	16 9	8	2 2	8	14 2	8	35 8	8	71 2
41	29 7	51	16 6	61	1 9	71	14 6	81	36 3	91	71 9
12	29 4	12	16 3	12	1 6	12	14 9	12	36 8	12	72 6
4	29 1	4	16 0	4	1 3	4	15 3	4	37 4	4	73 3
6	28 9	6	15 7	6	1 0	6	15 7	6	38 0	6	74 0
8	28 7	8	15 4	8	0 7	8	16 1	8	38 6	8	74 8
42	28 4	52	15 1	62	0 4	72	16 5	82	39 2	92	75 5
12	28 1	12	14 9	12	0 1	12	16 9	12	39 8	12	76 2
4	27 9	4	14 7	4	0 2	4	17 3	4	40 4	4	76 9
6	27 7	6	14 4	6	0 5	6	17 7	6	41 0	6	77 6
8	27 5	8	14 1	8	0 8	8	18 1	8	41 6	8	78 4
43	27 2	53	13 9	63	1 1	73	18 5	83	42 3	93	79 1
12	26 9	12	13 6	12	1 4	12	18 9	12	42 9	12	79 8
4	26 6	4	13 3	4	1 7	4	19 3	4	43 5	4	80 4
6	26 4	6	13 0	6	2 0	6	19 7	6	44 1	6	81 1
8	26 1	8	12 7	8	2 3	8	20 1	8	44 7	8	81 8
44	25 9	54	12 4	64	2 7	74	20 5	84	45 3	94	82 5
12	25 6	12	12 1	12	3 0	12	21 0	12	46 0	12	83 1
4	25 3	4	11 8	4	3 3	4	21 4	4	46 6	4	83 8
6	25 1	6	11 5	6	3 6	6	21 8	6	47 3	6	84 4
8	24 9	8	11 2	8	3 9	8	22 2	8	48 0	8	85 1
45	24 6	55	10 9	65	4 3	75	22 6	85	48 7	95	85 7
12	24 3	12	10 6	12	4 6	12	23 1	12	49 4	12	86 4
4	24 0	4	10 3	4	4 9	4	23 6	4	50 2	4	87 0
6	23 8	6	10 0	6	5 2	6	24 0	6	50 9	6	87 6
8	23 5	8	9 7	8	5 5	8	24 4	8	51 7	8	88 2
46	23 3	56	9 4	66	5 9	76	24 8	86	52 4	96	88 8
12	23 0	12	9 1	12	6 2	12	25 2	12	53 2	12	89 4
4	22 7	4	8 8	4	6 6	4	25 6	4	53 9	4	90 0
6	22 4	6	8 5	6	6 9	6	26 0	6	54 7	6	90 6
8	22 2	8	8 2	8	7 3	8	26 4	8	55 4	8	91 2
47	21 9	57	7 9	67	7 6	77	26 8	87	56 2	97	91 7
12	21 6	12	7 6	12	7 9	12	27 2	12	57 0	12	92 3
4	21 3	4	7 3	4	8 2	4	27 6	4	57 8	4	92 8
6	21 1	6	7 0	6	8 5	6	28 0	6	58 6	6	93 4
8	20 9	8	6 7	8	8 9	8	28 4	8	59 4	8	94 0
48	20 6	58	6 4	68	9 2	78	28 9	88	60 2	98	94 5
12	20 3	12	6 1	12	9 6	12	29 4	12	61 0	12	95 0
4	20 1	4	5 8	4	9 9	4	29 8	4	61 8	4	95 6
6	19 8	6	5 5	6	10 2	6	30 2	6	62 6	6	96 1
8	19 6	8	5 2	8	10 6	8	30 7	8	63 4	8	96 7
49	19 3	59	4 9	69	10 9	79	31 2	89	64 2	99	97 2
12	19 1	12	4 6	12	11 3	12	31 7	12	65 0	12	97 7
4	18 8	4	4 3	4	11 7	4	32 2	4	65 8	4	98 3
6	18 5	6	4 0	6	12 0	6	32 7	6	66 6	6	98 8
8	18 3	8	3 7	8	12 3	8	33 2	8	67 3	8	99 3
50	18 0	60	3 4	70	12 7	80	33 7	90	68 1	100	99 8

## GLASS HYDROMETER.

A

Temperature 46° F.

Divs on Stem A	Per cent over Proof	Divs on Stem A	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof
0		10		0	69.4	10	61.9	20	52.9	30	42.3		
2		12		2	69.2	2	61.8	2	52.7	2	42.0		
4		4		4	69.1	4	61.6	4	52.5	4	41.8		
6		6		6	69.0	6	61.4	6	52.3	6	41.5		
8		8		8	68.9	8	61.2	8	52.1	8	41.3		
1		11	75.2	1	68.7	11	61.1	21	51.9	31	41.0		
2		2	75.1	2	68.6	2	60.9	2	51.7	2	40.7		
4		4	75.0	4	68.5	4	60.7	4	51.5	4	40.5		
6		6	74.8	6	68.3	6	60.5	6	51.3	6	40.3		
8		8	74.7	8	68.2	8	60.3	8	51.1	8	40.1		
2		12	74.6	2	68.1	12	60.2	22	50.9	32	39.9		
4		4	74.5	4	67.9	4	60.0	2	50.7	2	39.7		
6		6	74.4	6	67.8	6	59.8	4	50.5	4	39.4		
8		8	74.2	8	67.7	8	59.6	6	50.3	6	39.2		
3		13	74.1	3	67.6	3	59.5	8	50.1	8	38.9		
2		2	74.0	2	67.5	13	59.3	23	49.9	33	38.7		
4		4	73.9	4	67.3	4	59.1	2	49.7	2	38.5		
6		6	73.7	6	67.1	6	58.9	4	49.5	4	38.3		
8		8	73.6	8	67.0	8	58.7	6	49.3	6	38.0		
4		14	73.5	4	66.8	4	58.5	8	49.1	8	37.8		
2		2	73.3	2	66.7	14	58.4	24	48.9	34	37.5		
4		4	73.2	4	66.5	2	58.2	2	48.7	2	37.3		
6		6	73.1	6	66.3	6	58.0	4	48.5	4	37.1		
8		8	73.0	8	66.2	8	57.9	6	48.3	6	36.9		
5		15	72.8	5	66.1	5	57.7	8	48.1	8	36.7		
2		2	72.7	2	65.9	15	57.5	25	47.9	35	36.4		
4		4	72.6	4	65.7	2	57.3	2	47.7	2	36.1		
6		6	72.4	6	65.6	4	57.1	4	47.4	4	35.9		
8		8	72.3	8	65.5	6	57.0	6	47.2	6	35.7		
6		10	72.2	6	65.3	8	56.8	8	47.0	8	35.5		
2		2	72.1	2	65.2	16	56.6	26	46.8	36	35.3		
4		4	71.9	4	65.1	2	56.4	2	46.6	2	35.0		
6		6	71.8	6	64.9	4	56.2	4	46.4	4	34.8		
8		8	71.7	8	64.7	6	56.1	6	46.2	6	34.6		
7		17	71.5	7	64.5	8	55.9	8	46.0	8	34.4		
2		2	71.4	2	64.4	17	55.7	27	45.8	37	34.1		
4		4	71.3	4	64.3	2	55.5	2	45.6	2	33.9		
6		6	71.1	6	64.1	4	55.3	4	45.3	4	33.7		
8		8	71.0	8	63.9	6	55.1	6	45.1	6	33.4		
8		18	70.9	8	63.8	8	54.9	8	44.9	8	33.2		
2		2	70.7	2	63.7	18	54.7	28	44.7	38	32.9		
4		4	70.6	4	63.5	2	54.5	2	44.4	2	32.7		
6		6	70.5	6	63.3	4	54.4	4	44.2	4	32.5		
8		8	70.3	8	63.1	6	54.2	6	43.9	6	32.3		
9		19	70.2	9	63.0	8	54.0	8	43.7	8	32.0		
2		2	70.1	2	62.9	19	53.8	29	43.5	39	31.7		
4		4	69.9	4	62.7	2	53.6	2	43.3	2	31.5		
6		6	69.7	6	62.5	4	53.5	4	43.0	4	31.3		
8		8	69.6	8	62.3	6	53.3	6	42.8	6	31.1		
10		20	69.5	10	62.1	8	53.1	8	42.5	8	30.9		
			69.4		61.9	20	52.9	30	42.3	40	30.6		

# GLASS HYDROMETER.

## Temperature 46° F.

Dive on Stem	Per cent over Proof	Dive on Stem	Per cent over Proof	Dive on Stem	Per cent over Proof	Dive on Stem	Per cent under Proof	Dive on Stem	Per cent under Proof	Dive on Stem	Per cent under Proof
40	30 6	50	17 7	60	3 1	70	13 0	80	34 2	90	69 3
2	30 3	2	17 4	2	2 8	2	13 4	2	34 8	2	69 1
4	30 1	4	17 1	4	2 5	4	13 8	4	35 3	4	69 8
6	29 8	6	16 8	6	2 2	6	14 1	6	35 8	6	70 6
8	29 6	8	16 6	8	1 9	8	14 5	8	36 3	8	71 3
41	29 3	51	16 3	61	1 6	71	14 9	81	36 8	91	72 0
2	29 0	2	16 0	2	1 3	2	15 3	2	37 3	2	72 7
4	28 8	4	15 7	4	1 0	4	15 6	4	37 9	4	73 4
6	28 6	6	15 4	6	0 7	6	16 0	6	38 5	6	74 2
8	28 3	8	15 1	8	0 4	8	16 4	8	39 1	8	74 9
42	28 1	52	14 9	62	0 1	72	16 8	82	39 7	92	75 6
2	27 8	2	14 6	2	0 2	2	17 2	2	40 3	2	76 3
4	27 6	4	14 3	4	0 5	4	17 6	4	40 9	4	77 0
6	27 3	6	14 0	6	0 8	6	18 0	6	41 5	6	77 7
8	27 1	8	13 8	8	1 1	8	18 4	8	42 1	8	78 4
43	26 9	53	13 5	63	1 4	73	18 8	83	42 7	93	79 1
2	26 6	2	13 2	2	1 8	2	19 2	2	43 3	2	79 8
4	26 3	4	12 9	4	2 1	4	19 6	4	43 9	4	80 5
6	26 1	6	12 6	6	2 4	6	20 0	6	44 5	6	81 2
8	25 8	8	12 4	8	2 7	8	20 4	8	45 1	8	81 8
44	25 5	54	12 1	64	3 0	74	20 9	84	45 8	94	82 5
2	25 3	2	11 8	2	3 3	2	21 4	2	46 4	2	83 2
4	25 0	4	11 5	4	3 7	4	21 8	4	47 1	4	83 8
6	24 7	6	11 2	6	4 0	6	22 2	6	47 8	6	84 4
8	24 5	8	10 9	8	4 3	8	22 6	8	48 5	8	85 1
45	24 3	55	10 6	65	4 6	75	23 1	85	49 2	95	85 9
2	24 0	2	10 3	2	4 9	2	23 5	2	49 9	2	86 6
4	23 7	4	10 0	4	5 2	4	24 0	4	50 7	4	87 0
6	23 4	6	9 7	6	5 6	6	24 4	6	51 4	6	87 6
8	23 2	8	9 4	8	5 9	8	24 8	8	52 2	8	88 2
46	22 9	56	9 1	66	6 2	76	25 2	86	52 9	96	88 8
2	22 6	2	8 8	2	6 6	2	25 6	2	53 7	2	89 4
4	22 4	4	8 5	4	6 9	4	26 0	4	54 4	4	90 0
6	22 1	6	8 2	6	7 3	6	26 4	6	55 1	6	90 6
8	21 8	8	7 9	8	7 6	8	26 8	8	55 9	8	91 2
47	21 6	57	7 6	67	7 9	77	27 2	87	56 7	97	91 7
2	21 3	2	7 3	2	8 3	2	27 6	2	57 5	2	92 2
4	21 0	4	7 0	4	8 6	4	28 0	4	58 3	4	92 8
6	20 8	6	6 7	6	8 9	6	28 4	6	59 1	6	93 4
8	20 5	8	6 4	8	9 2	8	28 8	8	59 8	8	93 9
48	20 3	58	6 1	68	9 6	78	29 2	88	60 5	98	94 4
2	20 0	2	5 8	2	9 9	2	29 7	2	61 3	2	95 0
4	19 8	4	5 5	4	10 3	4	30 2	4	62 1	4	95 5
6	19 5	6	5 2	6	10 6	6	30 7	6	62 9	6	96 0
8	19 3	8	4 9	8	10 9	8	31 2	8	63 6	8	96 6
49	19 0	59	4 6	69	11 3	79	31 7	89	64 4	99	97 1
2	18 7	2	4 3	2	11 7	2	32 2	2	65 2	2	97 7
4	18 4	4	4 0	4	12 0	4	32 7	4	66 0	4	98 2
6	18 2	6	3 7	6	12 3	6	33 2	6	66 8	6	98 7
8	17 9	8	3 4	8	12 7	8	33 7	8	67 5	8	99 3
50	17 7	60	3 1	70	13 0	80	34 2	90	68 3	100	99 8

## GLASS HYDROMETER

A

Temperature 47° F

Divs on Stem A	Per cent over Proof	Divs on Stem A	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof
0		10		0	69 2	10	61 7	20	52 6	30	42 0		
2		12		2	69 0	12	61 5	22	52 4	32	41 7		
4		14		4	68 9	14	61 3	24	52 3	34	41 5		
6		16	75 2	6	68 8	16	61 2	26	52 1	36	41 2		
8		18	75 1	8	68 7	18	61 0	28	51 9	38	41 0		
1		20	75 0	10	68 5	20	60 8	30	51 7	40	40 7		
2		22	74 8	12	68 4	22	60 7	32	51 5	42	40 5		
4		24	74 7	14	68 3	24	60 6	34	51 3	44	40 3		
6		26	74 6	16	68 1	26	60 3	36	51 1	46	40 0		
8		28	74 5	18	68 0	28	60 1	38	50 9	48	39 8		
2		30	74 4	20	67 9	30	59 9	40	50 7	50	39 6		
4		32	74 2	22	67 7	32	59 7	42	50 5	52	39 4		
6		34	74 1	24	67 6	34	59 6	44	50 2	54	39 1		
8		36	74 0	26	67 4	36	59 4	46	50 0	56	38 9		
3		38	73 9	28	67 3	38	59 3	48	49 8	58	38 7		
4		40	73 7	30	67 2	40	59 1	50	49 6	60	38 5		
6		42	73 6	32	67 1	42	58 9	52	49 4	62	38 2		
8		44	73 5	34	66 9	44	58 7	54	49 2	64	38 0		
2		46	73 3	36	66 8	46	58 5	56	49 0	66	37 7		
4		48	73 2	38	66 6	48	58 3	58	48 8	68	37 5		
6		50	73 1	40	66 4	50	58 1	60	48 6	70	37 3		
8		52	73 0	42	66 3	52	58 0	62	48 4	72	37 0		
3		54	72 8	44	66 2	54	57 8	64	48 2	74	36 8		
4		56	72 7	46	66 0	56	57 6	66	48 0	76	36 5		
6		58	72 6	48	65 8	58	57 4	68	47 8	78	36 3		
8		60	72 4	50	65 7	60	57 3	70	47 6	80	36 1		
5		62	72 3	52	65 5	62	57 1	72	47 4	82	35 9		
6		64	72 2	54	65 4	64	56 9	74	47 2	84	35 7		
8		66	72 1	56	65 2	66	56 7	76	47 0	86	35 5		
2		68	71 9	58	65 1	68	56 5	78	46 8	88	35 3		
4		70	71 8	60	64 9	70	56 3	80	46 5	90	35 0		
6		72	71 7	62	64 8	72	56 2	82	46 3	92	34 7		
8		74	71 5	64	64 7	74	56 0	84	46 1	94	34 5		
3		76	71 4	66	64 5	76	55 8	86	45 9	96	34 3		
4		78	71 3	68	64 3	78	55 6	88	45 7	98	34 1		
6		80	71 1	70	64 2	80	55 4	90	45 5		33 9		
8		82	71 0	72	64 1	82	55 3	92	45 3		33 6		
2		84	70 9	74	63 9	84	55 1	94	45 1		33 4		
4		86	70 7	76	63 7	86	54 9	96	44 8		33 1		
6		88	70 6	78	63 6	88	54 7	98	44 6		32 9		
8		90	70 5	80	63 5	90	54 5		44 3		32 7		
2		92	70 4	82	63 3	92	54 3		44 1		32 4		
4		94	70 2	84	63 1	94	54 1		43 9		32 2		
6		96	70 1	86	62 9	96	53 9		43 7		32 0		
8		98	70 0	88	62 7		53 8		43 4		31 7		
3			69 8	90	62 6	10	53 6	20	43 1	30	31 5		
4			69 7		62 5	20	53 4	30	42 9	40	31 2		
6			69 6		62 3		53 2	40	42 7	50	31 0		
8			69 4		62 1		53 0	50	42 5	60	30 7		
3			69 3		61 9		52 8	60	42 2	70	30 5		
4			69 2	10	61 7	20	52 6	30	42 0	40	30 3		

## GLASS HYDROMETER

Temperature 47° F

Days on Stem	Per cent over Proof	Days on Stem	Per cent over Proof	Days on Stem	Per cent over Proof	Days on Stem	Per cent under Proof	Days on Stem	Per cent under Proof	Days on Stem	Per cent under Proof	Days on Stem	Per cent under Proof
40	30 3	50	17 3	60	2 8	70	13 4	80	34 7	90	68 5		
12	30 0	12	17 1	12	12 5	12	13 8	12	35 12	12	69 3		
4	29 8	4	16 8	4	12 2	4	14 2	4	35 7	4	70 0		
6	29 5	6	16 5	6	1 9	6	14 5	6	36 2	6	70 7		
8	29 3	8	16 2	8	1 6	8	14 8	8	36 7	8	71 4		
41	29 0	51	15 9	61	1 3	71	15 2	81	37 2	91	72 1		
12	28 7	2	15 6	2	1 0	2	15 6	2	37 8	2	72 8		
4	28 5	4	15 3	4	0 7	4	16 0	4	38 4	4	73 6		
6	28 2	6	15 0	6	0 4	6	16 4	6	38 9	6	74 3		
8	28 0	8	14 8	8	0 1	8	16 8	8	39 5	8	75 0		
42	27 8	52	14 5	62	0 2	72	17 2	82	40 1	92	75 7		
2	27 5	2	14 3	2	0 5	2	17 6	2	40 7	2	76 4		
4	27 3	4	14 0	4	0 8	4	18 0	4	41 3	4	77 1		
6	27 1	6	13 7	6	1 1	6	18 4	6	41 9	6	77 8		
8	26 8	8	13 5	8	1 4	8	18 7	8	42 5	8	78 5		
43	26 6	53	13 2	63	1 8	73	19 1	83	43 1	93	79 2		
12	26 3	2	12 9	2	2 1	2	19 5	2	43 7	2	79 9		
4	26 0	4	12 6	4	2 4	4	20 0	4	44 3	4	80 6		
6	25 8	6	12 3	6	2 7	6	20 4	6	44 9	6	81 2		
8	25 5	8	12 0	8	3 0	8	20 9	8	45 5	8	81 9		
44	25 2	54	11 7	64	3 4	74	21 3	84	46 2	94	82 6		
12	24 9	2	11 4	2	3 7	2	21 8	2	46 8	2	83 2		
4	24 7	4	11 1	4	4 0	4	22 2	4	47 5	4	83 8		
6	24 4	6	10 8	6	4 3	6	22 6	6	48 2	6	84 5		
8	24 2	8	10 5	8	4 6	8	23 0	8	48 9	8	85 1		
45	23 9	55	10 2	65	5 0	75	23 5	85	49 7	95	85 7		
12	23 7	2	9 9	2	5 3	2	23 9	2	50 4	2	86 4		
4	23 4	4	9 6	4	5 6	4	24 4	4	51 2	4	87 0		
6	23 1	6	9 3	6	5 9	6	24 8	6	51 9	6	87 6		
8	22 9	8	9 0	8	6 2	8	25 2	8	52 6	8	88 2		
46	22 6	56	8 7	66	6 6	76	25 6	86	53 4	96	88 8		
12	22 3	2	8 4	2	6 9	2	26 0	2	54 1	2	89 4		
4	22 0	4	8 1	4	7 3	4	26 4	4	54 8	4	90 0		
6	21 8	6	7 8	6	7 6	6	26 8	6	55 5	6	90 6		
8	21 5	8	7 5	8	7 9	8	27 2	8	56 2	8	91 2		
47	21 3	57	7 2	67	8 3	77	27 6	87	57 0	97	91 7		
12	21 0	2	6 9	2	8 6	2	28 0	2	57 8	2	92 2		
4	20 7	4	6 6	4	8 9	4	28 4	4	58 6	4	92 8		
6	20 5	6	6 3	6	9 2	6	28 8	6	59 4	6	93 4		
8	20 3	8	6 0	8	9 6	8	29 2	8	60 1	8	93 9		
48	20 0	58	5 7	68	9 9	78	29 7	88	60 8	98	94 4		
12	19 7	2	5 4	2	10 3	2	30 2	2	61 6	2	95 0		
4	19 4	4	5 1	4	10 6	4	30 7	4	62 4	4	95 5		
6	19 2	6	4 8	6	10 9	6	31 2	6	63 1	6	96 0		
8	19 0	8	4 5	8	11 3	8	31 7	8	63 9	8	96 6		
49	18 7	59	4 2	69	11 6	79	32 2	89	64 6	99	97 1		
12	18 4	2	3 9	2	12 0	2	32 7	2	65 4	2	97 7		
4	18 1	4	3 6	4	12 4	4	33 2	4	66 2	4	98 2		
6	17 9	6	3 4	6	12 7	6	33 7	6	67 0	6	98 8		
8	17 6	8	3 1	8	13 0	8	34 2	8	67 7	8	99 3		
50	17 3	60	2 8	70	13 4	80	34 7	90	68 5	100	99 8		

## GLASS HYDROMETER.

A

Temperature 48° F.

Divs on Stem A	Per cent. over Proof	Divs on Stem A	Per cent. over Proof	Divs on Stem	Per cent. over Proof	Divs on Stem	Per cent. over Proof	Divs on Stem	Per cent. over Proof	Divs on Stem	Per cent. over Proof
0		10		0	69 0	10	61 5	20	52 4	30	41 7
1		11		1	68 8	11	61 3	21	52 2	31	41 4
2		12		2	68 7	12	61 1	22	52 0	32	41 1
3		13		3	68 6	13	60 9	23	51 8	33	40 9
4		14		4	68 5	14	60 7	24	51 6	34	40 7
5		15		5	68 3	15	60 6	25	51 4	35	40 4
6		16		6	68 2	16	60 5	26	51 2	36	40 2
7		17		7	68 1	17	60 3	27	51 0	37	40 0
8		18		8	67 9	18	60 1	28	50 8	38	39 7
9		19		9	67 8	19	59 9	29	50 6	39	39 5
10		20		10	67 7	20	59 7	30	50 4	40	39 3
					67 5		59 5		50 2		39 1
					67 4		59 3		49 9		38 8
					67 2		59 1		49 7		38 6
					67 1		59 0		49 5		38 3
					67 0		58 8		49 3		38 1
					66 9		58 7		49 1		37 9
					66 7		58 5		48 9		37 7
					66 5		58 3		48 7		37 4
					66 4		58 1		48 5		37 2
					66 3		57 9		48 3		36 9
					66 1		57 7		48 1		36 7
					65 9		57 5		47 9		36 5
					65 8		57 4		47 7		36 3
					65 6		57 2		47 5		36 1
					65 5		57 1		47 3		35 9
					65 3		56 9		47 1		35 6
					65 2		56 7		46 9		35 4
					65 1		56 5		46 7		35 2
					64 9		56 3		46 5		35 0
					64 8		56 1		46 3		34 7
					64 7		55 9		46 1		34 5
					64 5		55 7		45 8		34 3
					64 3		55 5		45 6		34 0
					64 1		55 3		45 4		33 8
					64 0		55 2		45 2		33 5
					63 9		55 0		45 0		33 3
					63 7		54 8		44 7		33 1
					63 5		54 7		44 5		32 8
					63 4		54 5		44 3		32 6
					63 2		54 3		44 1		32 3
					63 1		54 1		43 8		32 1
					62 9		53 9		43 6		31 9
					62 7		53 7		43 3		31 7
					62 5		53 5		43 1		31 5
					62 4		53 3		42 8		31 2
					62 2		53 1		42 6		30 9
					62 0		52 9		42 3		30 7
					61 9		52 8		42 1		30 5
					61 7		52 6		41 9		30 3
					61 5		52 4		41 7		30 0

Temperature 48° F.

21

## GLASS HYDROMETER.

A

Temperature 49° F.

Divs on Stem A	Per cent over Proof	Divs on Stem A	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof
0		10	75 2	0	68 2	10	61 3	20	52 1	30	41 3		
2		2	75 1	2	68 6	2	61 1	2	51 9	4	41 1		
4		4	75 0	4	68 5	4	60 9	4	51 7	6	40 9		
6		6	74 8	6	68 4	6	60 7	6	51 5	8	40 6		
8		8	74 7	8	68 3	8	60 5	8	51 3	10	40 4		
1		11	74 6	1	68 1	11	60 3	21	51 1	31	40 1		
12		2	74 5	2	68 0	2	60 2	2	50 9	2	39 9		
4		4	74 4	4	67 9	4	60 0	4	50 7	4	39 7		
6		6	74 2	6	67 7	6	59 9	6	50 5	6	39 5		
8		8	74 1	8	67 6	8	59 7	8	50 3	8	39 3		
12		12	74 0	2	67 5	12	59 5	22	50 1	32	39 0		
2		2	73 9	2	67 3	2	59 3	2	49 9	2	38 8		
4		4	73 7	4	67 2	4	59 1	4	49 7	4	38 5		
6		6	73 6	6	67 1	6	58 9	6	49 5	6	38 3		
8		8	73 5	8	67 0	8	58 7	8	49 3	8	38 1		
3		13	73 3	3	66 9	13	58 5	23	49 1	33	37 9		
12		2	73 2	2	66 7	2	58 4	2	48 9	2	37 6		
4		4	73 1	4	66 5	4	58 2	4	48 7	4	37 4		
6		6	73 0	6	66 3	6	58 1	6	48 5	6	37 1		
8		8	72 8	8	66 2	8	57 9	8	48 3	8	36 9		
4		14	72 7	4	66 1	14	57 7	24	48 1	34	36 7		
12		2	72 6	2	65 9	2	57 5	2	47 9	2	36 4		
4		4	72 4	4	65 7	4	57 3	4	47 7	4	36 2		
6		6	72 3	6	65 6	6	57 1	6	47 5	6	36 0		
8		8	72 2	8	65 4	8	56 9	8	47 3	8	35 8		
5		15	72 0	5	65 1	15	56 8	25	47 1	35	35 5		
2		2	71 9	2	65 1	2	56 6	2	46 9	2	35 3		
4		4	71 8	4	65 0	4	56 4	4	46 7	4	35 1		
6		6	71 7	6	64 9	6	56 2	6	46 4	6	34 9		
8		8	71 5	8	64 7	8	56 0	8	46 2	8	34 7		
6		16	71 4	6	64 6	16	55 9	26	46 0	36	34 4		
2		2	71 3	2	64 4	2	55 7	2	45 8	2	34 2		
4		4	71 1	4	64 3	4	55 5	4	45 5	4	34 0		
6		6	71 0	6	64 1	6	55 3	6	45 3	6	33 7		
8		8	70 9	8	63 9	8	55 1	8	45 1	8	33 5		
7		17	70 7	7	63 8	17	54 9	27	44 9	37	33 3		
2		2	70 6	2	63 7	2	54 8	2	44 7	2	33 1		
4		4	70 5	4	63 5	4	54 6	4	44 5	4	32 8		
6		6	70 3	6	63 3	6	54 4	6	44 3	6	32 5		
8		8	70 2	8	63 1	8	54 2	8	44 1	8	32 3		
8		18	70 1	8	63 0	18	54 0	28	43 8	38	32 1		
2		2	69 9	2	62 9	2	53 8	2	43 5	2	31 8		
4		4	69 8	4	62 7	4	53 7	4	43 3	4	31 6		
6		6	69 7	6	62 5	6	53 5	6	43 0	6	31 3		
8		8	69 6	8	62 3	8	53 3	8	42 8	8	31 1		
9		19	69 4	9	62 1	19	53 1	29	42 5	39	30 9		
2		2	69 3	2	62 0	2	52 9	2	42 3	2	30 6		
4		4	69 2	4	61 8	4	52 7	4	42 1	4	30 4		
6		6	69 0	6	61 6	6	52 5	6	41 8	6	30 1		
8		8	68 9	8	61 4	8	52 3	8	41 5	8	29 9		
10		20	68 8	10	61 3	20	52 1	30	41 3	10	29 7		

## GLASS HYDROMETER.

Temperature 49° F.

Dips on Stem.	Per cent over Proof	Dips on Stem	Per cent over Proof	Dips on Stem	Per cent over Proof	Dips on Stem	Per cent under Proof	Dips on Stem	Per cent under Proof	Dips on Stem	Per cent under Proof	Dips on Stem	Per cent under Proof
10	23 7	50	16 7	5	12 0	70	14 1	80	35 5	90	68 0		
2	23 4	2	16 4	2	11 7	2	14 5	2	36 0	2	69 7		
4	23 1	4	16 1	4	11 4	4	14 9	4	36 5	4	70 4		
6	22 9	6	15 8	6	11 1	6	15 2	6	37 0	6	71 0		
8	22 6	8	15 6	8	10 8	8	15 6	8	37 5	8	71 7		
11	22 4	51	15 3	61	10 5	71	16 0	81	38 1	91	72 4		
2	22 1	2	15 0	2	10 2	2	16 4	2	38 6	2	73 1		
4	21 9	4	14 7	4	10 1	4	16 8	4	39 2	4	73 8		
6	21 7	6	14 5	6	10 4	6	17 1	6	39 7	6	74 5		
8	21 4	8	14 2	8	10 7	8	17 5	8	40 3	8	75 2		
42	21 2	52	13 9	62	10 0	72	17 9	82	40 9	92	75 9		
2	20 9	2	13 7	2	11 3	2	18 3	2	41 5	2	76 6		
4	20 7	4	13 4	4	11 6	4	18 7	4	42 1	4	77 3		
6	20 5	6	13 1	6	11 9	6	19 0	6	42 8	6	78 0		
8	20 2	8	12 8	8	12 2	8	19 4	8	43 4	8	78 7		
43	20 0	53	12 5	63	12 5	73	19 9	83	44 0	93	79 4		
2	19 7	2	12 2	2	12 8	2	20 3	2	44 6	2	80 0		
4	19 4	4	11 9	4	13 1	4	20 8	4	45 2	4	80 7		
6	19 2	6	11 6	6	13 4	6	21 2	6	45 8	6	81 4		
8	18 9	8	11 3	8	13 7	8	21 7	8	46 4	8	82 0		
44	18 6	54	11 0	64	14 0	74	22 1	84	47 0	94	82 7		
2	18 3	2	10 7	2	14 4	2	22 6	2	47 6	2	83 3		
4	18 0	4	10 4	4	14 7	4	23 0	4	48 3	4	83 9		
6	17 8	6	10 1	6	15 0	6	23 4	6	49 0	6	84 5		
8	17 6	8	9 8	8	15 3	8	23 8	8	49 7	8	85 2		
45	17 3	55	9 5	65	15 6	75	24 2	85	50 4	95	85 8		
2	17 0	2	9 2	2	16 0	2	24 6	2	51 2	2	86 4		
4	16 7	4	8 9	4	16 3	4	25 0	4	51 9	4	87 1		
6	16 5	6	8 6	6	16 6	6	25 4	6	52 6	6	87 7		
8	16 2	8	8 3	8	16 9	8	25 8	8	53 4	8	88 3		
46	16 0	56	8 0	66	17 3	76	26 2	86	54 1	96	88 9		
2	15 7	2	7 7	2	17 6	2	26 6	2	54 8	2	89 4		
4	15 5	4	7 4	4	17 9	4	27 0	4	55 5	4	90 0		
6	15 2	6	7 1	6	18 3	6	27 4	6	56 2	6	90 6		
8	15 0	8	6 8	8	18 6	8	27 8	8	56 9	8	91 2		
47	14 7	57	6 5	67	19 0	77	28 2	87	57 7	97	91 7		
2	14 4	2	6 2	2	19 3	2	28 6	2	58 4	2	92 2		
4	14 1	4	5 9	4	19 6	4	29 0	4	59 2	4	92 8		
6	13 9	6	5 6	6	19 9	6	29 5	6	59 9	6	93 4		
8	13 7	8	5 3	8	20 2	8	30 0	8	60 6	8	93 9		
48	13 4	58	5 0	68	20 6	78	30 5	88	61 3	98	94 4		
2	13 1	2	4 7	2	21 0	2	31 0	2	62 1	2	95 0		
4	12 8	4	4 4	4	21 3	4	31 5	4	62 9	4	95 5		
6	12 6	6	4 1	6	21 6	6	32 0	6	63 6	6	96 1		
8	12 4	8	3 8	8	22 0	8	32 5	8	64 3	8	96 6		
49	12 1	59	3 5	69	22 4	79	33 0	89	65 0	99	97 2		
2	11 8	2	3 2	2	22 7	2	33 5	2	65 8	2	97 7		
4	11 5	4	2 9	4	23 1	4	34 0	4	66 6	4	98 3		
6	11 3	6	2 6	6	23 4	6	34 5	6	67 4	6	98 8		
8	11 0	8	2 3	8	23 7	8	35 0	8	68 1	8	99 3		
50	10 7	60	2 0	70	24 1	80	35 5	90	68 9	100	99 8		

## GLASS HYDROMETER.

A

Temperature 50° F.

Divs on Stem A	Per cent over Proof	Divs on Stem A	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof
0		10	75 1	0	68 6	10	61 0	20	51 9	30	41 0
2		2	75 0	2	68 4	2	60 9	2	51 7	2	40 7
4		4	74 8	4	68 2	4	60 7	4	51 5	4	40 5
6		6	74 7	6	68 2	6	60 5	6	51 3	6	40 3
8		8	74 6	8	68 1	8	60 3	8	51 1	8	40 1
1		11	74 5	1	67 9	11	60 1	21	50 9	31	39 9
2		2	74 4	2	67 8	2	59 9	2	50 7	2	39 6
4		4	74 2	4	67 7	4	59 7	4	50 5	4	39 4
6		6	74 1	6	67 5	6	59 6	6	50 3	6	39 1
8		8	74 0	8	67 4	8	59 4	8	50 1	8	38 9
2		12	73 9	2	67 3	12	59 3	22	49 8	32	38 7
2		2	73 7	2	67 1	2	59 1	2	49 6	2	38 5
4		4	73 6	4	67 0	4	58 9	4	49 4	4	38 2
6		6	73 5	6	66 9	6	58 7	6	49 2	6	38 0
8		8	73 3	8	66 7	8	58 5	8	49 0	8	37 7
3		13	73 2	3	66 6	13	58 3	23	48 8	33	37 5
2		2	73 1	2	66 5	2	58 1	2	48 6	2	37 3
4		4	73 0	4	66 3	4	57 9	4	48 4	4	37 1
6		6	72 8	6	66 1	6	57 8	6	48 2	6	36 9
8		8	72 7	8	66 0	8	57 6	8	48 0	8	36 7
4		14	72 6	4	65 9	14	57 5	24	47 8	34	36 4
2		2	72 4	2	65 7	2	57 3	2	47 6	2	36 1
4		4	72 3	4	65 5	4	57 1	4	47 4	4	35 9
6		6	72 2	6	65 4	6	56 9	6	47 2	6	35 7
8		8	72 1	8	65 2	8	56 7	8	47 0	8	35 5
5		15	71 9	5	65 1	15	56 5	25	46 8	35	35 3
2		2	71 8	2	64 9	2	56 4	2	46 6	2	35 1
4		4	71 7	4	64 8	4	56 2	4	46 4	4	34 9
6		6	71 5	6	64 6	6	56 0	6	46 1	6	34 6
8		8	71 4	8	64 5	8	55 8	8	45 9	8	34 4
6		16	71 3	6	64 3	16	55 6	26	45 7	36	34 1
2		2	71 1	2	64 2	2	55 5	2	45 5	2	33 9
4		4	71 0	4	64 1	4	55 3	4	45 3	4	33 7
6		6	70 9	6	63 9	6	55 1	6	45 1	6	33 4
8		8	70 7	8	63 7	8	54 9	8	44 8	8	33 2
7		17	70 6	7	63 6	17	54 7	27	44 6	37	32 9
2		2	70 5	2	63 5	2	54 5	2	44 4	2	32 7
4		4	70 3	4	63 3	4	54 3	4	44 2	4	32 5
6		6	70 2	6	63 1	6	54 1	6	43 9	6	32 3
8		8	70 1	8	62 9	8	53 9	8	43 7	8	32 1
8		18	69 9	8	62 7	18	53 8	28	43 5	38	31 8
2		2	69 8	2	62 6	2	53 6	2	43 2	2	31 5
4		4	69 6	4	62 4	4	53 4	4	43 0	4	31 3
6		6	69 5	6	62 3	6	53 2	6	42 7	6	31 1
8		8	69 4	8	62 1	8	53 1	8	42 5	8	30 9
9		19	69 2	9	61 9	19	52 9	29	42 2	39	30 6
2		2	69 1	2	61 7	2	52 7	2	42 0	2	30 3
4		4	68 9	4	61 5	4	52 5	4	41 7	4	30 1
6		6	68 8	6	61 3	6	52 3	6	41 5	6	29 9
8		8	68 7	8	61 1	8	52 1	8	41 2	8	29 6
10	75 2	20	68 6	10	61 0	20	51 9	30	41 0	40	29 3

## GLASS HYDROMETER.

Temperature 50° F.

Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof
40	29 3	50	16 3	60	1 6	70	14 5	80	35 0	90	69 1		
12	29 1	12	16 0	12	1 3	12	14 9	12	36 4	12	69 9		
4	28 9	4	15 8	4	1 0	4	15 3	4	36 9	4	70 6		
6	28 6	6	15 5	6	0 7	6	15 6	6	37 4	6	71 2		
8	28 4	8	15 2	8	0 4	8	15 9	8	37 9	8	71 9		
41	28 1	51	14 9	61	0 1	71	16 3	81	38 5	91	72 6		
12	27 9	2	14 7	12	0 2	12	16 7	2	39 0	12	73 3		
4	27 7	4	14 4	4	0 5	4	17 1	4	39 6	4	74 0		
6	27 4	6	14 1	6	0 8	6	17 5	6	40 1	6	74 7		
8	27 2	8	13 8	8	1 1	8	17 9	8	40 7	8	75 4		
42	26 0	52	13 5	62	1 4	72	18 3	82	41 3	92	76 1		
12	26 0	12	13 2	12	1 7	12	18 7	12	41 9	12	76 7		
4	26 4	4	12 9	4	2 0	4	19 1	4	42 5	4	77 4		
6	26 1	6	12 6	6	2 3	6	19 4	6	43 1	6	78 1		
8	25 9	8	12 4	8	2 6	8	19 9	8	43 7	8	78 8		
43	25 6	53	12 1	63	2 9	73	20 3	83	44 3	93	79 5		
12	25 3	1	11 8	12	3 2	12	20 7	12	44 9	12	80 1		
4	25 1	4	11 5	4	3 5	4	21 2	4	45 5	4	80 8		
6	24 9	6	11 2	6	3 8	6	21 6	6	46 1	6	81 4		
8	24 6	8	10 9	8	4 1	8	22 1	8	46 7	8	82 1		
44	24 3	54	10 6	64	4 4	74	22 5	84	47 4	94	82 8		
12	24 0	12	10 3	12	4 7	12	23 0	12	48 0	12	83 4		
4	23 8	4	10 0	4	5 1	4	23 4	4	48 7	4	84 0		
6	23 5	6	9 7	6	5 4	6	23 8	6	49 4	6	84 6		
8	23 2	8	9 4	8	5 7	8	24 2	8	50 2	8	85 2		
45	22 9	55	9 1	65	6 0	75	24 6	85	50 9	95	85 8		
12	22 7	12	8 8	12	6 3	12	25 0	12	51 6	12	86 4		
4	22 4	4	8 5	4	6 6	4	25 4	4	52 3	4	87 1		
6	22 1	6	8 2	6	6 9	6	25 8	6	53 0	6	87 7		
8	21 9	8	7 9	8	7 2	8	26 2	8	53 7	8	88 3		
46	21 6	56	7 6	66	7 6	76	26 6	86	54 4	96	88 9		
12	21 3	12	7 3	12	7 9	12	27 0	12	55 1	12	89 5		
4	21 1	4	7 0	4	8 3	4	27 4	4	55 8	4	90 1		
6	20 9	6	6 7	6	8 6	6	27 8	6	56 5	6	90 7		
8	20 7	8	6 4	8	8 9	8	28 2	8	57 2	8	91 2		
47	20 4	57	6 1	67	9 3	77	28 6	87	58 0	97	91 8		
12	20 1	12	5 8	12	9 6	12	29 0	12	58 7	12	92 3		
4	19 8	4	5 5	4	10 0	4	29 4	4	59 4	4	92 8		
6	19 6	6	5 2	6	10 3	6	29 9	6	60 2	6	93 4		
8	19 3	8	4 9	8	10 6	8	30 4	8	60 9	8	93 9		
48	19 0	58	4 6	68	11 0	78	30 9	88	61 6	98	94 4		
12	18 8	12	4 3	12	11 3	12	31 4	12	62 4	12	95 0		
4	18 6	4	4 0	4	11 7	4	31 9	4	63 1	4	95 5		
6	18 3	6	3 7	6	12 0	6	32 4	6	63 8	6	96 1		
8	18 1	8	3 4	8	12 3	8	32 9	8	64 5	8	96 6		
49	17 8	59	3 1	69	12 7	79	33 4	89	65 2	99	97 1		
12	17 5	12	2 8	12	13 1	12	33 9	12	66 0	12	97 7		
4	17 2	4	2 5	4	13 4	4	34 4	4	66 8	4	98 2		
6	16 9	6	2 2	6	13 7	6	34 9	6	67 6	6	98 8		
8	16 6	8	1 9	8	14 1	8	35 4	8	68 3	8	99 3		
50	16 3	60	1 6	70	14 5	80	35 9	90	69 1	100	99 9		

## GLASS HYDROMETER

A

Temperature 51° F.

Divs on Stem	Per cent over Proof	Divs on Stem A	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof
0		10	75 0	0	68 4	10	60 7	20	51 6	30	40 7				
2		2	74 8	2	68 3	2	60 6	2	51 4	2	40 5				
4		4	74 7	4	68 2	4	60 4	4	51 2	4	40 3				
6		6	74 6	6	68 0	6	60 3	6	51 0	6	40 0				
8		8	74 5	8	67 9	8	60 1	8	50 8	8	39 8				
1		11	74 4	1	67 8	11	59 9	21	50 6	31	39 6				
2		2	74 2	2	67 6	2	59 7	2	50 4	2	39 3				
4		4	74 1	4	67 5	4	59 5	4	50 2	4	39 1				
6		6	74 0	6	67 4	6	59 4	6	50 0	6	38 9				
8		8	73 9	8	67 3	8	59 2	8	49 8	8	38 7				
2		12	73 7	2	67 2	12	59 0	22	49 6	32	38 4				
2		2	73 6	2	67 0	2	58 8	2	49 4	2	38 2				
4		4	73 5	4	66 9	4	58 7	4	49 2	4	37 9				
6		6	73 3	6	66 7	6	58 5	6	49 0	6	37 7				
8		8	73 2	8	66 5	8	58 3	8	48 7	8	37 5				
3		13	73 1	3	66 4	13	58 1	23	48 5	33	37 3				
2		2	73 0	2	66 3	2	57 9	2	48 3	2	37 0				
4		4	72 8	4	66 1	4	57 7	4	48 1	4	36 8				
6		6	72 7	6	65 9	6	57 5	6	47 9	6	36 5				
8		8	72 6	8	65 7	8	57 3	8	47 7	8	36 3				
4		14	72 4	4	65 6	14	57 2	24	47 5	34	36 1				
2		2	72 3	2	65 5	2	57 1	2	47 3	2	35 9				
4		4	72 2	4	65 3	4	56 9	4	47 1	4	35 7				
6		6	72 1	6	65 2	6	56 7	6	46 9	6	35 5				
8		8	71 9	8	65 0	8	56 5	8	46 7	8	35 3				
5		15	71 8	5	64 9	15	56 3	25	46 5	35	35 0				
2		2	71 7	2	64 7	2	56 1	2	46 3	2	34 7				
4		4	71 5	4	64 6	4	55 9	4	46 1	4	34 5				
6		6	71 4	6	64 4	6	55 7	6	45 9	6	34 3				
8		8	71 3	8	64 3	8	55 5	8	45 7	8	34 1				
6		16	71 1	6	64 1	16	55 3	26	45 4	36	33 9				
2		2	71 0	2	64 0	2	55 2	2	45 2	2	33 6				
4		4	70 9	4	63 9	4	55 0	4	45 0	4	33 4				
6		6	70 7	6	63 7	6	54 8	6	44 8	6	33 1				
8		8	70 6	8	63 5	8	54 6	8	44 6	8	32 9				
7		17	70 5	7	63 4	17	54 5	27	44 4	37	32 7				
2		2	70 3	2	63 3	2	54 3	2	44 2	2	32 4				
4		4	70 2	4	63 1	4	54 1	4	43 9	4	32 2				
6		6	70 1	6	62 9	6	53 9	6	43 7	6	32 0				
8		8	69 9	8	62 7	8	53 7	8	43 4	8	31 7				
8		18	69 7	8	62 5	18	53 5	28	43 1	38	31 5				
2		2	69 6	2	62 4	2	53 3	2	42 9	2	31 2				
4		4	69 5	4	62 2	4	53 2	4	42 7	4	31 0				
6		6	69 3	6	62 0	6	53 0	6	42 4	6	30 7				
8		8	69 2	8	61 8	8	52 8	8	42 2	8	30 5				
9		19	69 1	9	61 7	19	52 6	29	41 9	39	30 3				
2		2	69 0	2	61 5	2	52 4	2	41 7	2	30 0				
4		4	68 8	4	61 3	4	52 2	4	41 4	4	29 8				
6	75 2	6	68 7	6	61 1	6	52 0	6	41 2	6	29 5				
8	75 1	8	68 6	8	60 9	8	51 8	8	40 9	8	29 3				
10	75 0	20	68 4	10	60 7	20	51 6	30	40 7	40	29 1				

## GLASS HYDROMETER

Temperature 51° F

Days on Stem	Per cent over Proof	Days on Stem	Per cent over Proof	Days on Stem	Per cent over Proof	Days on Stem	Per cent under Proof	Days on Stem	Per cent under Proof	Days on Stem	Per cent under Proof	Days on Stem	Per cent under Proof	Days on Stem	Per cent under Proof
40	129 1	50	16 0	60	1 3	70	14 9	80	36 3	90	69 4				
2	128 2	2	15 7	2	1 0	2	15 2	2	36 8	2	70 1				
4	128 5	4	15 4	4	0 7	4	15 6	4	37 3	4	70 8				
6	128 2	6	15 1	6	0 4	6	15 9	6	37 8	6	71 4				
8	127 1	8	14 9	8	0 1	8	16 3	8	38 3	8	72 1				
41	127 8	51	14 6	61	0 2	71	16 7	81	38 9	91	72 8				
2	127 5	2	14 3	2	0 5	2	17 1	2	39 4	2	73 5				
4	127 3	4	14 0	4	0 8	4	17 5	4	39 9	4	74 2				
6	127 1	6	13 8	6	1 1	6	17 9	6	40 5	6	74 9				
8	126 9	8	13 5	8	1 4	8	18 3	8	41 1	8	75 6				
42	126 6	52	13 2	62	1 7	72	18 6	82	41 7	92	76 3				
2	126 3	2	12 9	2	2 0	2	19 0	2	42 4	2	76 9				
4	126 1	4	12 6	4	2 3	4	19 4	4	43 0	4	77 6				
6	125 8	6	12 3	6	2 7	6	19 8	6	43 6	6	78 3				
8	125 6	8	12 0	8	3 0	8	20 2	8	44 2	8	79 0				
43	125 3	53	11 7	63	3 3	73	20 7	83	44 8	93	79 7				
2	125 1	2	11 5	2	3 6	2	21 1	2	45 4	2	80 3				
4	124 8	4	11 2	4	3 9	4	21 5	4	46 0	4	81 0				
6	124 5	6	10 9	6	4 2	6	21 9	6	46 6	6	81 6				
8	124 3	8	10 6	8	4 5	8	22 3	8	47 2	8	82 2				
44	124 0	54	10 3	64	4 8	74	22 7	84	47 8	94	82 8				
2	123 7	2	10 0	2	5 1	2	23 2	2	48 4	2	83 4				
4	123 4	4	9 7	4	5 4	4	23 6	4	49 1	4	84 1				
6	123 1	6	9 4	6	5 7	6	24 0	6	49 8	6	84 7				
8	122 9	8	9 1	8	6 0	8	24 5	8	50 5	8	85 3				
45	122 6	55	8 8	65	6 3	75	24 9	85	51 2	95	86 0				
2	122 3	2	8 5	2	6 7	2	25 3	2	51 9	2	86 6				
4	122 1	4	8 2	4	7 0	4	25 7	4	52 6	4	87 2				
6	121 8	6	7 9	6	7 3	6	26 1	6	53 3	6	87 8				
8	121 6	8	7 6	8	7 6	8	26 5	8	54 0	8	88 4				
46	121 3	56	7 3	66	7 9	76	26 9	86	54 7	96	89 0				
2	121 1	2	7 0	2	8 3	2	27 3	2	55 4	2	89 6				
4	120 8	4	6 7	4	8 6	4	27 7	4	56 1	4	90 2				
6	120 5	6	6 4	6	8 9	6	28 1	6	56 8	6	90 8				
8	120 3	8	6 1	8	9 3	8	28 5	8	57 5	8	91 3				
47	120 1	57	5 8	67	9 6	77	28 9	87	58 3	97	91 8				
2	119 8	2	5 5	2	10 0	2	29 4	2	59 0	2	92 4				
4	119 5	4	5 2	4	10 3	4	29 8	4	59 8	4	92 9				
6	119 2	6	4 9	6	10 6	6	30 3	6	60 5	6	93 4				
8	119 0	8	4 6	8	11 0	8	30 8	8	61 2	8	94 0				
48	118 7	58	4 3	68	11 3	78	31 3	88	61 9	98	94 5				
2	118 5	2	4 0	2	11 7	2	31 8	2	62 6	2	95 0				
4	118 2	4	3 7	4	12 1	4	32 3	4	63 4	4	95 6				
6	118 0	6	3 4	6	12 4	6	32 8	6	64 1	6	96 2				
8	117 7	8	3 1	8	12 7	8	33 3	8	64 8	8	96 7				
49	117 4	59	2 8	69	13 0	79	33 8	89	65 5	99	97 2				
2	117 1	2	2 5	2	13 4	2	34 3	2	66 3	2	97 8				
4	116 9	4	2 2	4	13 8	4	34 8	4	67 1	4	98 3				
6	116 6	6	1 9	6	14 1	6	35 3	6	67 8	6	98 9				
8	116 3	8	1 6	8	14 5	8	35 8	8	68 6	8	99 4				
50	116 0	60	1 3	70	14 9	80	36 3	90	69 4	100	100 0				

## GLASS HYDROMETER.

A

Temperature 52° F.

Divs on Stem A	Per cent over Proof	Divs on Stem A	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof
0		10	74 8	0	68 2	10	60 5	20	51 3	30	40 4				
2		2	74 7	2	68 1	2	60 3	2	51 2	2	40 2				
4		4	74 5	4	68 0	4	60 1	4	51 0	4	40 0				
6		6	74 4	6	67 8	6	60 0	6	50 8	6	39 7				
8		8	74 2	8	67 7	8	59 8	8	50 5	8	39 5				
1		11	74 1	1	67 6	11	59 7	21	50 3	31	39 3				
2		2	74 0	2	67 4	2	59 5	2	50 1	2	39 0				
4		4	73 8	4	67 3	4	59 3	4	49 9	4	38 8				
6		6	73 7	6	67 2	6	59 1	6	49 7	6	38 5				
8		8	73 0	8	67 1	8	58 9	8	49 5	8	38 3				
2		12	73 4	2	67 0	12	58 8	22	49 3	32	38 1				
3		3	73 3	3	66 9	3	58 6	3	49 1	3	37 9				
4		4	73 2	4	66 7	4	58 4	4	48 9	4	37 6				
6		6	73 1	6	66 5	6	58 2	6	48 7	6	37 4				
8		8	72 9	8	66 3	8	58 1	8	48 5	8	37 2				
3		13	72 8	3	66 2	13	57 9	23	48 3	33	37 0				
2		2	72 7	2	66 0	2	57 7	2	48 1	2	36 7				
4		4	72 6	4	65 9	4	57 5	4	47 9	4	36 5				
6		6	72 4	6	65 7	6	57 3	6	47 7	6	36 3				
8		8	72 3	8	65 6	8	57 1	8	47 5	8	36 1				
4		14	72 2	4	65 5	14	56 9	24	47 3	34	35 9				
2		2	72 0	2	65 3	2	56 8	2	47 1	2	35 6				
4		4	71 9	4	65 1	4	56 6	4	46 9	4	35 4				
6		6	71 8	6	65 0	6	56 4	6	46 7	6	35 2				
8		8	71 6	8	64 8	8	56 2	8	46 5	8	35 0				
5		15	71 5	5	64 7	15	56 1	25	46 3	35	34 7				
2		2	71 4	2	64 5	2	55 9	2	46 0	2	34 5				
4		4	71 3	4	64 4	4	55 7	4	45 8	4	34 3				
6		6	71 1	6	64 2	6	55 5	6	45 6	6	34 0				
8		8	71 0	8	64 1	8	55 3	8	45 4	8	33 8				
6		16	70 9	6	64 0	16	55 1	26	45 1	36	33 5				
2		2	70 7	2	63 9	2	54 9	2	44 9	2	33 3				
4		4	70 6	4	63 7	4	54 7	4	44 7	4	33 1				
6		6	70 5	6	63 5	6	54 6	6	44 5	6	32 9				
8		8	70 3	8	63 3	8	54 4	8	44 3	8	32 7				
7		17	70 2	7	63 1	17	54 2	27	44 1	37	32 4				
2		2	70 1	2	63 0	2	54 1	2	43 9	2	32 1				
4		4	69 9	4	62 8	4	53 9	4	43 6	4	31 9				
6		6	69 8	6	62 7	6	53 7	6	43 3	6	31 7				
8		8	69 7	8	62 5	8	53 5	8	43 1	8	31 5				
8		18	69 5	8	62 3	18	53 3	28	42 8	38	31 2				
2		2	69 4	2	62 1	2	53 1	2	42 5	2	30 9				
4		4	69 3	4	62 0	4	52 9	4	42 3	4	30 7				
6		6	69 1	6	61 8	6	52 7	6	42 1	6	30 5				
8		8	69 0	8	61 6	8	52 5	8	41 9	8	30 3				
9		19	68 9	9	61 4	19	52 3	29	41 6	39	30 0				
2	75 2	2	68 8	2	61 3	2	52 1	2	41 4	2	29 7				
4	75 1	4	68 6	4	61 1	4	51 9	4	41 1	4	29 5				
6	75 0	6	68 5	6	60 9	6	51 7	6	40 9	6	29 2				
8	74 9	8	68 4	8	60 7	8	51 5	8	40 6	8	29 0				
10	74 8	20	68 2	10	60 5	20	51 3	30	40 4	40	28 8				

Temperature 52° F.

29

## GLASS HYDROMETER

A

Temperature 53° F.

Days on Stem A	Per cent over Proof	Days on Stem A	Per cent over Proof	Days on Stem	Per cent over Proof	Days on Stem	Per cent over Proof	Days on Stem	Per cent over Proof	Days on Stem	Per cent over Proof	Days on Stem	Per cent over Proof
0		10	74 6	0	68 0	10	60 1	20	51 1	30	40 1	40	30 9
1		2	74 5	1	67 9	12	60 1	12	50 9	12	39 9	12	30 7
2		4	74 3	2	67 8	4	59 8	4	50 7	4	39 4	4	30 2
3		6	74 2	3	67 6	6	59 6	6	50 5	6	39 0	6	30 0
4		8	74 0	4	67 5	8	59 4	8	50 3	8	38 7	8	29 5
5		11	73 9	5	67 4	11	59 3	11	50 1	11	38 5	11	29 3
6		12	73 8	6	67 2	12	59 2	12	49 9	12	38 3	12	29 1
7		1	73 6	1	67 1	1	59 1	1	49 7	1	38 1	1	28 9
8		4	73 5	4	67 0	4	58 9	4	49 5	4	37 8	4	28 7
9		6	73 4	6	66 9	6	58 7	6	49 3	6	37 6	6	28 5
10		8	73 2	8	66 8	8	58 5	8	49 1	8	37 3	8	28 3
11		2	73 1	2	66 7	2	58 3	2	48 9	2	37 1	2	28 1
12		4	73 0	4	66 5	4	58 2	4	48 6	4	36 9	4	27 9
13		6	72 9	6	66 3	6	58 0	6	48 4	6	36 7	6	27 7
14		8	72 7	8	66 1	8	57 8	8	48 2	8	36 4	8	27 4
15		13	72 6	13	66 0	13	57 6	13	48 0	13	36 2	13	27 2
16		2	72 5	2	65 8	2	57 5	2	47 8	2	36 0	2	27 0
17		4	72 4	4	65 7	4	57 3	4	47 6	4	35 8	4	26 8
18		6	72 2	6	65 5	6	57 1	6	47 4	6	35 5	6	26 5
19		8	72 1	8	65 4	8	56 9	8	47 2	8	35 3	8	26 3
20		5	72 0	5	65 2	5	56 7	5	47 0	5	35 1	5	26 1
21		14	71 8	14	65 1	14	56 5	14	46 8	14	34 9	14	25 9
22		1	71 7	1	64 9	1	56 3	1	46 6	1	34 7	1	25 7
23		4	71 6	4	64 8	4	56 1	4	46 4	4	34 5	4	25 5
24		8	71 4	8	64 6	8	55 9	8	46 2	8	34 2	8	25 2
25		15	71 3	15	64 5	15	55 8	15	46 0	15	34 0	15	25 0
26		2	71 2	2	64 3	2	55 6	2	45 7	2	33 7	2	24 7
27		4	71 1	4	64 2	4	55 4	4	45 5	4	33 5	4	24 5
28		6	70 9	6	64 0	6	55 3	6	45 3	6	33 3	6	24 3
29		8	70 8	8	63 9	8	55 1	8	45 1	8	33 1	8	24 1
30		10	70 7	10	63 8	10	54 9	10	44 9	10	32 9	10	23 9
31		2	70 5	2	63 6	2	54 7	2	44 7	2	32 7	2	23 7
32		4	70 4	4	63 5	4	54 5	4	44 5	4	32 5	4	23 5
33		6	70 3	6	63 3	6	54 3	6	44 3	6	32 3	6	23 3
34		8	70 1	8	63 1	8	54 1	8	44 1	8	32 1	8	23 1
35		17	70 0	17	62 9	17	53 9	17	43 9	17	31 9	17	22 9
36		2	69 9	2	62 8	2	53 8	2	43 6	2	31 6	2	22 6
37		4	69 7	4	62 6	4	53 6	4	43 3	4	31 3	4	22 3
38		6	69 6	6	62 5	6	53 4	6	43 0	6	31 0	6	22 0
39		8	69 5	8	62 3	8	53 2	8	42 8	8	30 8	8	21 8
40		18	69 3	18	62 1	18	53 1	18	42 5	18	30 5	18	21 5
41		2	69 2	2	61 9	2	52 9	2	42 3	2	30 3	2	21 3
42		4	69 1	4	61 7	4	52 7	4	42 0	4	30 0	4	21 0
43		6	68 9	6	61 5	6	52 5	6	41 7	6	29 7	6	20 7
44		8	68 8	8	61 3	8	52 3	8	41 5	8	29 5	8	20 5
45		19	68 7	19	61 1	19	52 1	19	41 3	19	29 3	19	20 3
46		2	68 6	2	61 0	2	51 9	2	41 1	2	29 1	2	20 1
47		4	68 4	4	60 8	4	51 7	4	40 9	4	28 9	4	19 9
48		6	68 3	6	60 7	6	51 5	6	40 6	6	28 6	6	19 6
49		8	68 2	8	60 5	8	51 3	8	40 3	8	28 3	8	19 3
50		20	68 0	20	60 3	20	51 1	20	40 1	20	28 1	20	19 1

Temperature 53° F.

31

## GLASS HYDROMETER

A

Temperature 54° F.

Divs on Stem A	Per cent over Proof	Divs on Stem A	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof
0		10	74 4	0	67 8	10	60 1	20	50 8	30	39 9		
2		2	74 2	2	67 7	2	59 9	2	50 6	2	39 6		
4		4	74 1	4	67 6	4	59 7	4	50 4	4	39 4		
6		6	74 0	6	67 4	6	59 5	6	50 2	6	39 1		
8		8	73 9	8	67 3	8	59 3	8	50 0	8	38 9		
1		11	73 7	1	67 2	11	59 2	21	49 8	31	38 7		
2		2	73 6	2	67 0	2	59 1	2	49 6	2	38 4		
4		4	73 5	4	66 9	4	58 9	4	49 4	4	38 2		
6		6	73 3	6	66 8	6	58 7	6	49 2	6	37 9		
8		8	73 2	8	66 7	8	58 5	8	49 0	8	37 7		
12		12	73 1	2	66 5	12	58 3	22	48 8	32	37 5		
2		2	73 0	2	66 4	2	58 1	2	48 6	2	37 3		
4		4	72 8	4	66 3	4	57 9	4	48 4	4	37 1		
6		6	72 7	6	66 1	6	57 7	6	48 2	6	36 9		
8		8	72 6	8	65 9	8	57 6	8	48 0	8	36 6		
3		13	72 4	3	65 8	13	57 4	23	47 8	33	36 4		
2		2	72 3	2	65 6	2	57 2	2	47 6	2	36 1		
4		4	72 2	4	65 5	4	57 0	4	47 4	4	35 9		
6		6	72 1	6	65 3	6	56 9	6	47 2	6	35 7		
8		8	71 9	8	65 2	8	56 7	8	47 0	8	35 5		
4		14	71 8	4	65 0	14	56 5	24	46 7	34	35 3		
2		2	71 7	2	64 9	2	56 3	2	46 5	2	35 1		
4		4	71 5	4	64 7	4	56 1	4	46 3	4	34 9		
6		6	71 4	6	64 6	6	55 9	6	46 1	6	34 6		
8		8	71 3	8	64 4	8	55 7	8	45 9	8	34 4		
5		15	71 1	5	64 3	15	55 5	25	45 7	35	34 1		
2		2	71 0	2	64 1	2	55 4	2	45 5	2	33 9		
4		4	70 9	4	64 0	4	55 2	4	45 3	4	33 7		
6		6	70 7	6	63 9	6	55 0	6	45 0	6	33 5		
8		8	70 6	8	63 7	8	54 8	8	44 8	8	33 3		
6		16	70 5	6	63 5	16	54 7	26	44 6	36	33 0		
2		2	70 3	2	63 4	2	54 5	2	44 4	2	32 7		
4		4	70 2	4	63 2	4	54 3	4	44 1	4	32 5		
6		6	70 1	6	63 1	6	54 1	6	43 9	6	32 3		
8		8	69 9	8	62 9	8	53 9	8	43 7	8	32 1		
7		17	69 8	7	62 7	17	53 7	27	43 5	37	31 8		
2		2	69 7	2	62 5	2	53 6	2	43 3	2	31 5		
4		4	69 5	4	62 3	4	53 4	4	43 0	4	31 3		
6		6	69 4	6	62 2	6	53 2	6	42 7	6	31 1		
8		8	69 3	8	62 0	8	53 0	8	42 5	8	30 9		
8		18	69 1	8	61 9	18	52 8	28	42 2	38	30 6		
2		2	69 0	2	61 7	2	52 6	2	41 9	2	30 3		
4		4	68 9	4	61 5	4	52 4	4	41 7	4	30 1		
6	75 2	6	68 7	6	61 3	6	52 2	6	41 5	6	29 9		
8	75 1	8	68 6	8	61 1	8	52 0	8	41 2	8	29 7		
8	75 0	19	68 5	9	60 9	19	51 8	29	40 9	39	29 4		
2	74 8	2	68 4	2	60 8	2	51 6	2	40 7	2	29 1		
4	74 7	4	68 2	4	60 6	4	51 4	4	40 5	4	28 9		
6	74 6	6	68 1	6	60 4	6	51 2	6	40 3	6	28 6		
8	74 5	8	68 0	8	60 2	8	51 0	8	40 1	8	28 4		
10	74 4	20	67 8	10	60 1	20	50 8	30	39 9	40	28 1		

## GLASS HYDROMETER.

Temperature 54° F.

Dips on Stem	Per cent over Proof	Dips on Stem	Per cent over Proof	Dips on Stem	Per cent under Proof	Dips on Stem	Per cent under Proof	Dips on Stem	Per cent under Proof	Dips on Stem	Per cent under Proof	Dips on Stem	Per cent under Proof
40	23 1	50	15 0	60	0 2	70	15 9	80	37 4	90	70 0		
12	27 2	12	14 7			12	16 3	12	38 0	12	76 7		
4	27 7	4	14 4	4	0 3	4	16 7	4	38 5	4	77 4		
6	27 4	6	14 2	6	0 0	6	17 0	6	39 0	6	72 1		
8	27 12	8	14 0	8	0 9	8	17 4	8	39 5	8	72 8		
41	26 9	51	13 7	61	1 2	71	17 8	81	40 0	91	73 5		
12	26 7	12	13 5	12	1 5	12	18 2	12	40 6	12	74 2		
4	26 5	4	13 2	4	1 8	4	18 6	4	41 2	4	74 8		
6	26 2	6	12 9	6	2 1	6	19 0	6	41 8	6	75 5		
8	25 0	8	12 6	8	2 4	8	19 4	8	42 4	8	76 2		
42	25 7	52	12 3	62	2 7	72	19 8	82	43 0	92	76 8		
12	25 4	12	12 0	12	3 0	12	20 2	12	43 6	12	77 5		
4	25 1	4	11 7	4	3 3	4	20 6	4	44 2	4	78 2		
6	24 9	6	11 4	6	3 6	6	21 0	6	44 8	6	78 8		
8	24 7	8	11 1	8	3 9	8	21 4	8	45 4	8	79 5		
43	24 4	53	10 8	63	4 2	73	21 8	83	46 0	93	80 1		
12	24 1	12	10 5	12	4 5	12	22 2	12	46 6	12	80 7		
4	23 8	4	10 2	4	4 8	4	22 6	4	47 2	4	81 4		
6	23 6	6	9 9	6	5 1	6	23 0	6	47 8	6	82 0		
8	23 3	8	9 6	8	5 4	8	23 5	8	48 4	8	82 6		
44	23 0	54	9 3	64	5 7	74	23 9	84	49 0	94	83 2		
12	22 7	12	9 0	12	6 0	12	24 4	12	49 7	12	83 8		
4	22 4	4	8 7	4	6 4	4	24 8	4	50 3	4	84 4		
6	22 1	6	8 4	6	6 7	6	25 2	6	51 0	6	85 0		
8	21 9	8	8 1	8	7 0	8	25 6	8	51 7	8	85 6		
45	21 7	55	7 8	65	7 3	75	26 0	85	52 4	95	86 2		
12	21 4	12	7 5	12	7 6	12	26 4	12	53 0	12	86 8		
4	21 2	4	7 2	4	8 0	4	26 8	4	53 7	4	87 4		
6	20 9	6	6 9	6	8 3	6	27 2	6	54 4	6	88 0		
8	20 7	8	6 6	8	8 6	8	27 6	8	55 1	8	88 6		
46	20 4	56	6 3	66	8 9	76	28 0	86	55 8	96	89 2		
12	20 1	12	6 0	12	9 3	12	28 4	12	56 5	12	89 8		
4	19 9	4	5 7	4	9 6	4	28 8	4	57 2	4	90 4		
6	19 7	6	5 4	6	9 9	6	29 2	6	57 8	6	91 0		
8	19 5	8	5 1	8	10 3	8	29 6	8	58 5	8	91 5		
47	19 2	57	4 8	67	10 7	77	30 0	87	59 2	97	92 1		
12	18 9	12	4 5	12	11 0	12	30 5	12	59 9	12	92 6		
4	18 6	4	4 2	4	11 4	4	31 0	4	60 6	4	93 1		
6	18 4	6	3 9	6	11 7	6	31 5	6	61 3	6	93 7		
8	18 1	8	3 6	8	12 0	8	32 0	8	62 0	8	94 3		
48	17 8	58	3 3	68	12 4	78	32 5	88	62 7	98	94 9		
12	17 5	12	3 0	12	12 7	12	33 0	12	63 4	12	95 4		
4	17 3	4	2 7	4	13 0	4	33 5	4	64 1	4	95 9		
6	17 0	6	2 4	6	13 4	6	34 0	6	64 8	6	96 5		
8	16 9	8	2 1	8	13 8	8	34 5	8	65 5	8	97 0		
49	16 5	59	1 8	69	14 1	79	35 0	89	66 2	99	97 6		
12	16 2	12	1 5	12	14 5	12	35 4	12	67 0	12	98 1		
4	15 9	4	1 2	4	14 9	4	35 9	4	67 8	4	98 6		
6	15 6	6	0 9	6	15 2	6	36 4	6	68 5	6	99 1		
8	15 3	8	0 6	8	15 6	8	36 9	8	69 2	8	99 6		
50	15 0	60	0 3	70	15 9	80	37 4	90	70 0	100			

## GLASS HYDROMETER

A

Temperature 55° F.

Divs on Stem A	Per cent over Proof	Divs on Stem A	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof
0		10	74 2	0	67 6	10	59 9	20	50 6	30	39 6		
2		2	74 1	2	67 5	2	59 7	2	50 4	2	39 3		
4		4	73 9	4	67 4	4	59 5	4	50 1	4	39 1		
6		6	73 8	6	67 2	6	59 3	6	49 9	6	38 9		
8		8	73 6	8	67 1	8	59 1	8	49 7	8	38 7		
1		11	73 5	1	67 0	11	58 9	21	49 5	31	38 4		
2		2	73 4	2	66 8	2	58 8	2	49 3	2	38 1		
4		4	73 2	4	66 7	4	58 6	4	49 1	4	37 9		
6		6	73 1	6	66 6	6	58 4	6	48 9	6	37 7		
8		8	73 0	8	66 5	8	58 2	8	48 7	8	37 5		
2		12	72 8	2	66 3	12	58 0	22	48 5	32	37 2		
2		2	72 7	2	66 2	2	57 9	2	48 3	2	37 0		
4		4	72 6	4	66 0	4	57 7	4	48 1	4	36 7		
6		6	72 5	6	65 9	6	57 5	6	47 9	6	36 5		
8		8	72 3	8	65 7	8	57 3	8	47 7	8	36 3		
3		13	72 2	3	65 6	13	57 1	23	47 5	33	36 1		
2		2	72 1	2	65 4	2	56 9	2	47 3	2	35 9		
4		4	72 0	4	65 3	4	56 8	4	47 1	4	35 7		
6		6	71 8	6	65 1	6	56 6	6	46 9	6	35 5		
8		8	71 7	8	65 0	8	56 4	8	46 7	8	35 3		
4		14	71 6	4	64 8	14	56 2	24	46 5	34	35 0		
2		2	71 4	2	64 7	2	56 1	2	46 3	2	34 8		
4		4	71 3	4	64 5	4	55 9	4	46 0	4	34 6		
6		6	71 2	6	64 4	6	55 7	6	45 8	6	34 3		
8		8	71 0	8	64 2	8	55 5	8	45 6	8	34 1		
5		15	70 9	5	64 1	15	55 3	25	45 4	35	33 9		
2		2	70 8	2	63 9	2	55 1	2	45 2	2	33 6		
4		4	70 7	4	63 8	4	54 9	4	45 0	4	33 4		
6		6	70 5	6	63 7	6	54 7	6	44 7	6	33 1		
8		8	70 4	8	63 5	8	54 5	8	44 5	8	32 9		
6		16	70 3	6	63 3	16	54 4	26	44 3	36	32 7		
2		2	70 1	2	63 2	2	54 3	2	44 1	2	32 4		
4		4	70 0	4	63 0	4	54 1	4	43 9	4	32 2		
6		6	69 9	6	62 9	6	53 9	6	43 7	6	31 9		
8		8	69 7	8	62 7	8	53 7	8	43 4	8	31 7		
7		17	69 6	7	62 5	17	53 5	27	43 1	37	31 5		
2		2	69 5	2	62 3	2	53 3	2	42 9	2	31 3		
4		4	69 3	4	62 1	4	53 1	4	42 7	4	31 1		
6		6	69 2	6	62 0	6	52 9	6	42 4	6	30 8		
8		8	69 1	8	61 8	8	52 7	8	42 2	8	30 6		
8		18	68 9	8	61 6	18	52 6	28	41 9	38	30 3		
2	75 2	2	68 8	2	61 4	2	52 4	2	41 6	2	30 1		
4	75 1	4	68 7	4	61 2	4	52 2	4	41 4	4	29 8		
6	75 0	6	68 5	6	61 1	6	52 0	6	41 1	6	29 5		
8	74 8	8	68 4	8	60 9	8	51 8	8	40 9	8	29 3		
9	74 7	19	68 3	9	60 7	19	51 6	29	40 7	39	29 1		
2	74 6	2	68 2	2	60 5	2	51 4	2	40 5	2	28 8		
4	74 5	4	68 0	4	60 3	4	51 2	4	40 2	4	28 6		
6	74 3	6	67 9	6	60 2	6	51 0	6	40 0	6	28 3		
8	74 2	8	67 8	8	60 0	8	50 8	8	39 8	8	28 1		
10		20	67 6	10	59 9	20	50 6	30	39 6	40	27 8		

## GLASS HYDROMETER.

Temperature 55° F.

Divs on Stem.	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof
40	27 8	50	14 7	60	0 3	70	16 3	80	37 8	90	70 2				
2	27 6	2	14 4	2	0 6	2	16 7	2	38 3	2	70 9				
4	27 4	4	14 2	4	0 9	4	17 1	4	38 8	4	71 6				
6	27 1	6	13 9	6	1 2	6	17 4	6	39 3	6	72 3				
8	26 9	8	13 6	8	1 5	8	17 8	8	39 8	8	73 0				
41	26 8	51	13 3	61	1 8	71	18 2	81	40 4	91	73 7				
2	26 2	2	13 0	2	2 1	2	18 6	2	41 0	2	74 4				
4	26 1	4	12 8	4	2 4	4	19 0	4	41 6	4	75 0				
6	25 9	6	12 6	6	2 7	6	19 4	6	42 2	6	75 7				
8	25 6	8	12 3	8	3 0	8	19 8	8	42 8	8	76 4				
42	25 3	52	12 0	62	3 3	72	20 2	82	43 3	92	77 0				
2	25 1	2	11 7	2	3 6	2	20 6	2	43 9	2	77 7				
4	24 9	4	11 4	4	3 9	4	21 0	4	44 5	4	78 4				
6	24 6	6	11 1	6	4 2	6	21 4	6	45 1	6	79 0				
8	24 3	8	10 8	8	4 5	8	21 8	8	45 7	8	79 6				
43	24 1	53	10 5	63	4 8	73	22 2	83	46 3	93	80 3				
2	23 8	2	10 2	2	5 1	2	22 6	2	46 9	2	80 9				
4	23 5	4	9 9	4	5 4	4	23 0	4	47 5	4	81 5				
6	23 2	6	9 6	6	5 7	6	23 4	6	48 1	6	82 1				
8	22 9	8	9 3	8	6 0	8	23 8	8	48 7	8	82 8				
44	22 7	54	8 9	64	6 3	74	24 2	84	49 4	94	83 4				
2	22 4	2	8 6	2	6 6	2	24 6	2	50 0	2	84 0				
4	22 1	4	8 3	4	6 9	4	25 0	4	50 7	4	84 6				
6	21 8	6	8 0	6	7 2	6	25 4	6	51 4	6	85 2				
8	21 6	8	7 7	8	7 5	8	25 8	8	52 0	8	85 8				
45	21 3	55	7 4	65	7 8	75	26 2	85	52 7	95	86 4				
2	21 1	2	7 1	2	8 0	2	26 6	2	53 4	2	87 0				
4	20 9	4	6 9	4	8 3	4	27 0	4	54 0	4	87 6				
6	20 6	6	6 6	6	8 6	6	27 4	6	54 7	6	88 2				
8	20 4	8	6 3	8	8 9	8	27 8	8	55 4	8	88 8				
46	20 1	56	6 0	66	9 2	76	28 2	86	56 1	96	89 3				
2	19 8	2	5 7	2	9 6	2	28 6	2	56 8	2	89 9				
4	19 6	4	5 4	4	10 0	4	29 0	4	57 5	4	90 5				
6	19 3	6	5 1	6	10 3	6	29 5	6	58 1	6	91 1				
8	19 1	8	4 8	8	10 6	8	30 0	8	58 8	8	91 6				
47	18 9	57	4 5	67	11 0	77	30 5	87	59 5	97	92 1				
2	18 6	2	4 2	2	11 4	2	31 0	2	60 2	2	92 7				
4	18 3	4	3 9	4	11 7	4	31 5	4	60 9	4	93 2				
6	18 1	6	3 6	6	12 0	6	32 0	6	61 6	6	93 8				
8	17 8	8	3 3	8	12 4	8	32 5	8	62 3	8	94 3				
48	17 5	58	3 0	68	12 7	78	33 0	88	63 0	98	94 9				
2	17 2	2	2 7	2	13 1	2	33 5	2	63 7	2	95 4				
4	17 0	4	2 4	4	13 4	4	34 0	4	64 4	4	95 9				
6	16 7	6	2 1	6	13 7	6	34 4	6	65 1	6	96 5				
8	16 4	8	1 8	8	14 1	8	34 9	8	65 8	8	97 1				
49	16 1	59	1 5	69	14 4	79	35 3	89	66 5	99	97 6				
2	15 8	2	1 2	2	14 8	2	35 8	2	67 3	2	98 1				
4	15 5	4	0 9	4	15 2	4	36 3	4	68 0	4	98 6				
6	15 3	6	0 6	6	15 6	6	36 8	6	68 7	6	99 1				
8	15 0	8	0 3	8	16 0	8	37 3	8	69 4	8	99 6				
50	14 7	60		70	16 3	80	37 8	90	70 2	100					

A

Temperature 56° F

Dive on Stem A	Per cent over Proof	Dive on Stem A	Per cent over Proof	Dive on Stem	Per cent over Proof	Dive on Stem	Per cent over Proof	Dive on Stem	Per cent over Proof	Dive on Stem	Per cent over Proof	Dive on Stem	Per cent over Proof
0		10	74 0	0	67 5	10	59 6	20	50 3	30	39 3		
2		12	73 9	2	67 4	12	59 5	22	50 1	32	39 0		
4		14	73 8	4	67 3	14	59 3	24	49 9	34	38 8		
6		16	73 6	6	67 1	16	59 1	26	49 7	36	38 5		
8		18	73 5	8	67 0	18	58 9	28	49 5	38	38 3		
1		11	73 4	1	66 9	11	58 7	21	49 3	31	38 1		
2		12	73 3	2	66 8	12	58 5	22	49 1	32	37 8		
4		14	73 1	4	66 6	14	58 3	24	48 9	34	37 6		
6		16	73 0	6	66 5	16	58 2	26	48 7	36	37 3		
8		18	72 9	8	66 3	18	58 0	28	48 5	38	37 1		
2		12	72 7	2	66 1	12	57 9	22	48 3	32	36 9		
4		14	72 6	4	66 0	14	57 7	24	48 1	34	36 7		
6		16	72 5	6	65 9	16	57 5	26	47 9	36	36 5		
8		18	72 4	8	65 7	18	57 3	28	47 7	38	36 3		
3		13	72 2	3	65 5	13	57 1	23	47 5	33	36 0		
2		12	72 1	2	65 4	12	56 9	22	47 3	32	35 8		
4		14	72 0	4	65 2	14	56 7	24	47 1	34	35 6		
6		16	71 8	6	65 1	16	56 5	26	46 9	36	35 4		
8		18	71 7	8	64 9	18	56 3	28	46 6	38	35 2		
4		14	71 6	4	64 8	14	56 1	24	46 4	34	35 0		
2		12	71 5	2	64 6	12	56 0	22	46 2	32	34 7		
4		14	71 3	4	64 5	14	55 8	24	46 0	34	34 5		
6		16	71 2	6	64 3	16	55 6	26	45 7	36	34 3		
8		18	71 1	8	64 2	18	55 4	28	45 5	38	34 0		
5		15	70 9	5	64 0	15	55 2	25	45 3	35	33 8		
2		12	70 8	2	63 9	12	55 1	22	45 1	32	33 5		
4		14	70 7	4	63 7	14	54 9	24	44 9	34	33 3		
6		16	70 5	6	63 6	16	54 7	26	44 7	36	33 1		
8		18	70 4	8	63 4	18	54 5	28	44 5	38	32 9		
6		16	70 3	6	63 3	16	54 3	26	44 3	36	32 7		
2		12	70 1	2	63 1	12	54 1	22	44 0	32	32 4		
4		14	70 0	4	62 9	14	54 0	24	43 8	34	32 1		
6		16	69 9	6	62 7	16	53 8	26	43 5	36	31 9		
8		18	69 7	8	62 6	18	53 6	28	43 3	38	31 7		
7		17	69 6	7	62 4	17	53 4	27	43 1	37	31 5		
2		12	69 5	2	62 3	12	53 2	22	42 8	32	31 2		
4		14	69 3	4	62 1	14	53 1	24	42 6	34	30 9		
6		16	69 2	6	61 9	16	52 9	26	42 3	36	30 7		
8		18	69 1	8	61 7	18	52 7	28	42 1	38	30 5		
8		18	69 0	8	61 5	18	52 5	28	41 9	38	30 3		
2	75 2	12	68 8	2	61 3	12	52 3	22	41 6	32	30 0		
4	75 1	14	68 7	4	61 2	14	52 1	24	41 3	34	29 7		
6	75 0	16	68 6	6	61 0	16	51 9	26	41 1	36	29 5		
8	74 8	18	68 4	8	60 8	18	51 7	28	40 8	38	29 3		
9	74 7	19	68 3	9	60 6	19	51 5	29	40 6	39	29 0		
2	74 6	2	68 2	2	60 5	2	51 3	29	40 4	39	28 7		
4	74 4	4	68 1	4	60 3	4	51 1	2	40 2	2	28 5		
6	74 3	6	67 9	6	60 1	6	50 9	4	39 9	4	28 3		
8	74 2	8	67 8	8	59 9	8	50 7	6	39 7	6	28 0		
10	74 0	20	67 7	10	59 7	10	50 5	8	39 5	8	27 8		
			67 5	10	59 6	20	50 3	30	39 3	40	27 5		

## GLASS HYDROMETER.

Temperature 56° F.

Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof
40	27 5	50	14 4	60	0 3	70	16 7	80	38 2	90	70 4				
2	27 3	2	14 1	2	0 6	2	17 1	2	38 7	2	71 1				
4	27 1	4	13 9	4	0 9	4	17 4	4	39 2	4	71 8				
6	26 8	6	13 6	6	1 2	6	17 7	6	39 7	6	72 5				
8	26 6	8	13 3	8	1 5	8	18 1	8	40 2	8	73 2				
41	26 3	51	13 1	61	1 8	71	18 5	81	40 8	91	73 9				
2	26 0	2	12 8	2	2 1	2	18 9	2	41 4	2	74 6				
4	25 8	4	12 5	4	2 4	4	19 3	4	42 0	4	75 2				
6	25 5	6	12 2	6	2 7	6	19 7	6	42 6	6	75 8				
8	25 3	8	11 9	8	3 0	8	20 1	8	43 2	8	76 5				
42	25 0	52	11 6	62	3 3	72	20 5	82	43 7	92	77 2				
2	24 7	2	11 3	2	3 6	2	20 9	2	44 3	2	77 9				
4	24 4	4	11 0	4	3 9	4	21 3	4	44 8	4	78 5				
6	24 1	6	10 7	6	4 2	6	21 7	6	45 4	6	79 1				
8	23 9	8	10 4	8	4 5	8	22 1	8	46 0	8	79 8				
43	23 7	53	10 1	63	4 8	73	22 5	83	46 7	93	80 4				
2	23 5	2	9 8	2	5 1	2	22 9	2	47 3	2	81 0				
4	23 2	4	9 5	4	5 5	4	23 4	4	47 9	4	81 6				
6	22 9	6	9 2	6	5 8	6	23 8	6	48 5	6	82 3				
8	22 6	8	8 9	8	6 1	8	24 3	8	49 1	8	82 9				
44	22 3	54	8 6	64	6 4	74	24 7	84	49 8	94	83 5				
2	22 0	2	8 3	2	6 7	2	25 1	2	50 4	2	84 1				
4	21 8	4	8 0	4	7 0	4	25 5	4	51 1	4	84 7				
6	21 5	6	7 7	6	7 3	6	25 9	6	51 8	6	85 3				
8	21 3	8	7 4	8	7 6	8	26 3	8	52 4	8	85 9				
45	21 1	55	7 1	65	8 0	75	26 7	85	53 1	95	86 5				
2	20 8	2	6 8	2	8 3	2	27 1	2	53 7	2	87 1				
4	20 6	4	6 6	4	8 6	4	27 5	4	54 4	4	87 7				
6	20 3	6	6 3	6	8 9	6	27 9	6	55 1	6	88 3				
8	20 1	8	6 0	8	9 2	8	28 3	8	55 8	8	88 9				
46	19 8	56	5 7	66	9 6	76	28 7	86	56 5	96	89 4				
2	19 5	2	5 4	2	9 9	2	29 1	2	57 2	2	90 0				
4	19 3	4	5 1	4	10 3	4	29 5	4	57 9	4	90 5				
6	19 1	6	4 8	6	10 7	6	29 9	6	58 5	6	91 1				
8	18 9	8	4 5	8	11 0	8	30 4	8	59 2	8	91 7				
47	18 6	57	4 2	67	11 4	77	30 9	87	59 8	97	92 2				
2	18 3	2	3 9	2	11 8	2	31 4	2	60 5	2	92 7				
4	18 0	4	3 6	4	12 1	4	31 9	4	61 2	4	93 3				
6	17 7	6	3 3	6	12 4	6	32 4	6	61 9	6	93 9				
8	17 5	8	3 0	8	12 7	8	32 9	8	62 6	8	94 4				
48	17 2	58	2 7	68	13 1	78	33 4	88	63 3	98	94 9				
2	16 9	2	2 4	2	13 4	2	33 9	2	64 0	2	95 4				
4	16 6	4	2 1	4	13 8	4	34 4	4	64 7	4	95 9				
6	16 3	6	1 8	6	14 1	6	34 8	6	65 3	6	96 5				
8	16 1	8	1 5	8	14 5	8	35 3	8	66 0	8	97 1				
49	15 8	59	1 2	69	14 9	79	35 8	89	66 7	99	97 6				
2	15 5	2	0 9	2	15 2	2	36 2	2	67 4	2	98 1				
4	15 2	4	0 6	4	15 6	4	36 7	4	68 2	4	98 6				
6	14 9	6	0 3	6	15 9	6	37 2	6	68 9	6	99 1				
8	14 7	8		8	16 3	8	37 7	8	69 7	8	99 6				
50	14 4	60	0 3	70	16 7	80	38 2	90	70 4	100					

## GLASS HYDROMETER

A

Temperature 57° F

Days on Stem A	Per cent over Proof	Days on Stem A	Per cent over Proof	Days on Stem	Per cent over Proof	Days on Stem	Per cent over Proof	Days on Stem	Per cent over Proof	Days on Stem	Per cent over Proof	Days on Stem	Per cent over Proof
0		10	73 8	0	67 3	10	59 3	20	50 0	30	39 0		
1		11	73 1	1	67 2	11	59 2	21	49 8	31	38 7		
2		12	73 6	2	67 1	12	59 0	22	49 6	32	38 5		
3		13	73 4	3	66 9	13	58 9	23	49 4	33	38 3		
4		14	73 3	4	66 8	14	58 7	24	49 2	34	38 1		
5		15	73 2	5	66 7	15	58 5	25	49 0	35	37 8		
6		16	73 1	6	66 6	16	58 3	26	48 8	36	37 5		
7		17	72 9	7	66 4	17	58 1	27	48 6	37	37 3		
8		18	72 8	8	66 3	18	58 0	28	48 4	38	37 1		
9		19	72 7	9	66 1	19	57 8	29	48 2	39	36 9		
10		20	72 5	10	65 9	20	57 6	30	48 0	40	36 6		
11		21	72 4	11	65 8	21	57 4	31	47 8		36 4		
12		22	72 3	12	65 6	22	57 3	32	47 6		36 2		
13		23	72 2	13	65 5	23	57 1	33	47 4		36 0		
14		24	72 0	14	65 3	24	56 9	34	47 2		35 8		
15		25	71 9	15	65 2	25	56 7	35	47 0		35 6		
16		26	71 8	16	65 0	26	56 5	36	46 8		35 3		
17		27	71 6	17	64 9	27	56 3	37	46 6		35 1		
18		28	71 5	18	64 7	28	56 1	38	46 3		34 9		
19		29	71 4	19	64 6	29	55 9	39	46 1		34 7		
20		30	71 3	20	64 4	30	55 7	40	45 9		34 5		
21		31	71 1	21	64 3	31	55 5		45 7		34 2		
22		32	71 0	22	64 1		55 4		45 5		34 0		
23		33	70 9	23	63 9		55 2		45 3		33 7		
24		34	70 7	24	63 8		55 0		45 1		33 5		
25		35	70 6	25	63 7		54 8		44 9		33 3		
26		36	70 5	26	63 5		54 7		44 6		33 0		
27		37	70 3	27	63 4		54 5		44 4		32 8		
28		38	70 2	28	63 2		54 3		44 2		32 5		
29		39	70 1	29	63 0		54 1		44 0		32 3		
30		40	69 9	30	62 9		53 9		43 7		32 1		
31		41	69 8	31	62 7		53 7		43 5		31 9		
32		42	69 7	32	62 5		53 5		43 2		31 7		
33		43	69 5	33	62 4		53 4		43 0		31 4		
34		44	69 4	34	62 2		53 2		42 7		31 2		
35		45	69 3	35	62 0		53 0		42 5		30 9		
36		46	69 1	36	61 9		52 9		42 3		30 7		
37		47	69 0	37	61 7		52 7		42 0		30 4		
38		48	68 9	38	61 5		52 5		41 7		30 2		
39		49	68 8	39	61 3		52 3		41 5		30 0		
40		50	68 6	40	61 1		52 1		41 3		29 7		
41		51	68 5	41	60 9		51 9		41 0		29 4		
42		52	68 4	42	60 7		51 7		40 8		29 2		
43		53	68 2	43	60 5		51 5		40 5		28 9		
44		54	68 1	44	60 4		51 3		40 3		28 7		
45		55	68 0	45	60 3		51 1		40 1		28 5		
46		56	67 9	46	60 1		50 9		39 9		28 2		
47		57	67 7	47	59 9		50 6		39 7		28 0		
48		58	67 6	48	59 7		50 4		39 5		27 7		
49		59	67 5	49	59 5		50 2		39 2		27 5		
50		60	67 3	50	59 3		50 0		39 0		27 3		

## GLASS HYDROMETER

Temperature 57° F

Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof
40	27 3	50	14 1	60	0 6	70	17 0	80	38 7	90	70 6		
2	27 0	12	13 8	2	0 9	2	17 4	2	39 2	2	71 3		
4	26 8	4	13 6	4	1 2	4	17 8	4	39 7	4	72 0		
6	26 6	6	13 3	6	1 5	6	18 1	6	40 2	6	72 7		
8	26 3	8	13 1	8	1 8	8	18 5	8	40 7	8	73 4		
41	26 0	51	12 8	61	2 1	71	18 9	81	41 2	91	74 0		
2	25 7	2	12 5	2	2 4	2	19 3	2	41 8	2	74 7		
4	25 5	4	12 2	4	2 7	4	19 7	4	42 4	4	75 4		
6	25 2	6	11 9	6	3 0	6	20 1	6	43 0	6	76 0		
8	25 0	8	11 6	8	3 3	8	20 5	8	43 5	8	76 7		
42	24 7	52	11 3	62	3 6	72	20 9	82	44 1	92	77 4		
2	24 4	2	11 0	2	3 9	2	21 3	2	44 6	2	78 0		
4	24 2	4	10 7	4	4 2	4	21 7	4	45 2	4	78 7		
6	23 9	6	10 4	6	4 5	6	22 1	6	45 8	6	79 3		
8	23 7	8	10 1	8	4 8	8	22 5	8	46 4	8	79 9		
43	23 4	53	9 8	63	5 1	73	22 9	83	47 0	93	80 5		
2	23 1	2	9 5	2	5 5	2	23 3	2	47 7	2	81 2		
4	22 8	4	9 2	4	5 8	4	23 7	4	48 3	4	81 8		
6	22 6	6	8 9	6	6 1	6	24 1	6	48 9	6	82 4		
8	22 3	8	8 6	8	6 4	8	24 5	8	49 5	8	83 0		
44	22 0	54	8 3	64	6 7	74	24 9	84	50 1	94	83 6		
2	21 7	2	8 0	2	7 1	2	25 3	2	50 8	2	84 2		
4	21 5	4	7 7	4	7 4	4	25 7	4	51 4	4	84 8		
6	21 2	6	7 4	6	7 7	6	26 1	6	52 1	6	85 4		
8	21 0	8	7 1	8	8 0	8	26 5	8	52 8	8	86 0		
45	20 7	55	6 8	65	8 3	75	26 9	85	53 4	95	86 6		
2	20 5	2	6 5	2	8 7	2	27 3	2	54 1	2	87 2		
4	20 3	4	6 2	4	9 0	4	27 7	4	54 7	4	87 8		
6	20 0	6	5 9	6	9 3	6	28 1	6	55 4	6	88 4		
8	19 8	8	5 7	8	9 6	8	28 5	8	56 1	8	89 0		
46	19 5	56	5 4	66	9 9	76	28 9	86	56 8	96	89 5		
2	19 2	2	5 1	2	10 3	2	29 4	2	57 5	2	90 1		
4	19 0	4	4 8	4	10 6	4	29 8	4	58 2	4	90 7		
6	18 7	6	4 5	6	11 0	6	30 3	6	58 8	6	91 3		
8	18 5	8	4 2	8	11 3	8	30 8	8	59 5	8	91 8		
47	18 3	57	3 9	67	11 7	77	31 3	87	60 2	97	92 3		
2	18 0	2	3 6	2	12 1	2	31 8	2	60 8	2	92 8		
4	17 7	4	3 3	4	12 4	4	32 3	4	61 5	4	93 4		
6	17 5	6	3 0	6	12 7	6	32 8	6	62 2	6	94 0		
8	17 2	8	2 7	8	13 1	8	33 3	8	62 9	8	94 5		
48	16 9	58	2 4	68	13 4	78	33 8	88	63 6	98	95 0		
2	16 6	2	2 1	2	13 8	2	34 3	2	64 3	2	95 5		
4	16 3	4	1 8	4	14 2	4	34 8	4	65 0	4	96 0		
6	16 0	6	1 5	6	14 5	6	35 3	6	65 6	6	96 6		
8	15 8	8	1 2	8	14 8	8	35 7	8	66 3	8	97 2		
49	15 5	59	0 9	69	15 2	79	36 2	89	67 0	99	97 7		
2	15 2	2	0 6	2	15 6	2	36 7	2	67 7	2	98 2		
4	14 9	4	0 3	4	16 0	4	37 2	4	68 5	4	98 7		
6	14 7	6		6	16 3	6	37 7	6	69 2	6	99 2		
8	14 4	8	0 3	8	16 7	8	38 2	8	69 9	8	99 7		
50	14 1	60	0 6	70	17 0	80	38 7	90	70 6	100			

**A**      Temperature 58° F.

40

## Temperature 58° F

Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof
40	26 9	50	13 8	60	0 9	70	17 4	80	39 0	90	70 8				
2	26 7	2	13 5	2	1 2	2	17 8	2	39 5	2	71 3				
4	26 5	4	13 3	4	1 5	4	18 2	4	40 0	4	71 7				
6	26 2	6	13 0	6	1 8	6	18 5	6	40 5	6	72 2				
8	26 0	8	12 7	8	2 1	8	18 8	8	41 0	8	72 9				
41	25 7	51	12 4	61	2 4	71	19 2	81	41 6	91	74 3				
2	25 4	2	12 1	2	2 7	2	19 6	2	42 2	2	74 9				
4	25 2	4	11 8	4	3 0	4	20 0	4	42 8	4	75 6				
6	24 9	6	11 6	6	3 3	6	20 4	6	43 3	6	76 2				
8	24 7	8	11 3	8	3 6	8	20 8	8	43 9	8	76 8				
42	24 4	52	11 0	62	3 9	72	21 2	82	44 4	92	77 5				
2	24 1	2	10 7	2	4 2	2	21 6	2	45 0	2	78 2				
4	23 9	4	10 4	4	4 5	4	22 0	4	45 6	4	78 8				
6	23 6	6	10 1	6	4 8	6	22 4	6	46 2	6	79 4				
8	23 4	8	9 8	8	5 1	8	22 9	8	46 8	8	80 0				
43	23 1	53	9 5	63	5 5	73	23 2	83	47 4	93	80 6				
2	22 8	2	9 2	2	5 8	2	23 7	2	48 0	2	81 3				
4	22 5	4	8 9	4	6 1	4	24 1	4	48 6	4	81 9				
6	22 3	6	8 6	6	6 4	6	24 6	6	49 2	6	82 5				
8	22 0	8	8 3	8	6 7	8	25 0	8	49 8	8	83 1				
44	21 7	54	8 0	64	7 1	74	25 4	84	50 5	94	83 7				
2	21 4	2	7 7	2	7 4	2	25 8	2	51 2	2	84 3				
4	21 2	4	7 4	4	7 7	4	26 2	4	51 8	4	84 9				
6	20 9	6	7 1	6	8 0	6	26 6	6	52 4	6	85 5				
8	20 7	8	6 8	8	8 3	8	27 0	8	53 1	8	86 1				
45	20 5	55	6 5	65	8 7	75	27 4	85	53 8	95	86 7				
2	20 2	2	6 2	2	9 0	2	27 8	2	54 4	2	87 3				
4	20 0	4	5 9	4	9 3	4	28 2	4	55 1	4	87 9				
6	19 7	6	5 6	6	9 6	6	28 6	6	55 8	6	88 5				
8	19 5	8	5 3	8	9 9	8	29 0	8	56 5	8	89 1				
46	19 2	56	5 0	66	10 3	76	29 4	86	57 2	96	89 6				
2	18 9	2	4 7	2	10 6	2	29 8	2	57 9	2	90 2				
4	18 7	4	4 4	4	11 0	4	30 2	4	58 6	4	90 7				
6	18 4	6	4 1	6	11 3	6	30 7	6	59 2	6	91 3				
8	18 2	8	3 8	8	11 7	8	31 2	8	59 8	8	91 9				
47	17 9	57	3 6	67	12 1	77	31 7	87	60 4	97	92 4				
2	17 6	2	3 3	2	12 4	2	32 2	2	61 1	2	92 9				
4	17 3	4	3 0	4	12 8	4	32 7	4	61 8	4	93 5				
6	17 1	6	2 7	6	13 1	6	33 2	6	62 5	6	94 1				
8	16 8	8	2 4	8	13 4	8	33 7	8	63 2	8	94 6				
48	16 5	58	2 1	68	13 8	78	34 2	88	63 9	98	95 1				
2	16 2	2	1 8	2	14 2	2	34 7	2	64 6	2	95 6				
4	16 0	4	1 5	4	14 5	4	35 1	4	65 3	4	96 1				
6	15 7	6	1 2	6	14 8	6	35 6	6	65 9	6	96 7				
8	15 4	8	0 9	8	15 2	8	36 0	8	66 6	8	97 3				
49	15 1	59	0 6	69	15 6	79	36 5	89	67 3	99	97 8				
2	14 9	2	0 3	2	16 0	2	37 0	2	68 0	2	98 3				
4	14 6	4		4	16 3	4	37 5	4	68 7	4	98 8				
6	14 3	6	0 3	6	16 6	6	38 0	6	69 4	6	99 3				
8	14 1	8	0 6	8	17 0	8	38 5	8	70 1	8	99 8				
50	13 8	60	0 9	70	17 4	80	39 0	90	70 8	100					

## GLASS HYDROMETER

A

Temperature 59° F

Dive on Stem A	Per cent over Proof	Dive on Stem A	Per cent over Proof	Dive on Stem	Per cent over Proof	Dive on Stem	Per cent over Proof	Dive on Stem	Per cent over Proof	Dive on Stem	Per cent over Proof	Dive on Stem	Per cent over Proof
0		10	73 5	0	66 9	10	58 9	20	49 6	30	38 4		
2		2	73 3	2	66 8	2	58 7	2	49 3	2	38 1		
4		4	73 2	4	66 7	4	58 5	4	49 1	4	37 9		
6		6	73 1	6	66 5	6	58 4	6	48 9	6	37 7		
8		8	73 0	8	66 4	8	58 2	8	48 7	8	37 5		
1		11	72 8	1	66 3	11	58 0	11	48 5	11	37 2		
2		12	72 7	2	66 1	2	57 9	2	48 3	2	36 9		
4		4	72 6	4	66 0	4	57 7	4	48 1	4	36 7		
6		6	72 4	6	65 9	6	57 5	6	47 9	6	36 5		
8		8	72 3	8	65 7	8	57 3	8	47 7	8	36 3		
2		12	72 2	2	65 5	12	57 1	12	47 5	12	36 1		
2		2	72 1	2	65 4	2	56 9	2	47 3	2	35 9		
4		4	71 9	4	65 3	4	56 7	4	47 1	4	35 7		
6		6	71 8	6	65 1	6	56 5	6	46 9	6	35 5		
8		8	71 7	8	64 9	8	56 4	8	46 7	8	35 2		
3		13	71 5	3	64 8	13	56 2	13	46 5	13	35 0		
2		2	71 4	2	64 7	2	56 0	2	46 2	2	34 8		
4		4	71 3	4	64 5	4	55 8	4	46 0	4	34 6		
6		6	71 1	6	64 3	6	55 6	6	45 8	6	34 3		
8		8	71 0	8	64 1	8	55 4	8	45 6	8	34 1		
4		14	70 9	4	64 0	14	55 3	14	45 3	14	33 9		
2		2	70 7	2	63 9	2	55 1	2	45 1	2	33 6		
4		4	70 6	4	63 7	4	54 9	4	44 9	4	33 4		
6		6	70 5	6	63 5	6	54 7	6	44 7	6	33 1		
8		8	70 3	8	63 4	8	54 5	8	44 5	8	32 9		
5		15	70 2	5	63 3	15	54 3	15	44 3	15	32 7		
2		2	70 1	2	63 1	2	54 2	2	44 1	2	32 4		
4		4	69 9	4	62 9	4	54 0	4	43 9	4	32 2		
6		6	69 8	6	62 7	6	53 8	6	43 6	6	32 0		
8		8	69 7	8	62 6	8	53 6	8	43 3	8	31 8		
6		16	69 5	6	62 5	16	53 5	16	43 1	16	31 5		
2		2	69 4	2	62 3	2	53 3	2	42 9	2	31 3		
4		4	69 3	4	62 1	4	53 1	4	42 6	4	31 1		
6		6	69 1	6	61 9	6	52 9	6	42 4	6	30 8		
8		8	69 0	8	61 7	8	52 7	8	42 1	8	30 6		
7		17	68 9	7	61 5	17	52 5	17	41 9	17	30 3		
2	75 2	2	68 7	2	61 4	2	52 3	2	41 7	2	30 1		
4	75 1	4	68 6	4	61 2	4	52 1	4	41 4	4	29 9		
6	75 0	6	68 5	6	61 0	6	51 9	6	41 1	6	29 6		
8	74 8	8	68 4	8	60 8	8	51 7	8	40 9	8	29 3		
8	74 7	18	68 2	8	60 7	18	51 5	18	40 7	18	29 1		
2	74 6	2	68 1	2	60 5	2	51 3	2	40 4	2	28 8		
4	74 5	4	68 0	4	60 3	4	51 1	4	40 2	4	28 6		
6	74 4	6	67 9	6	60 1	6	50 9	6	39 9	6	28 3		
8	74 2	8	67 7	8	59 9	8	50 7	8	39 8	8	28 1		
9	74 1	19	67 6	9	59 7	19	50 5	19	39 5	19	27 9		
2	74 0	2	67 5	2	59 6	2	50 3	2	39 3	2	27 6		
4	73 9	4	67 3	4	59 4	4	50 1	4	39 1	4	27 4		
6	73 7	6	67 2	6	59 3	6	49 9	6	38 9	6	27 1		
8	73 6	8	67 1	8	59 1	8	49 7	8	38 6	8	26 9		
10	73 5	20	66 9	10	58 9	20	49 6	20	38 4	20	26 7		

## GLASS HYDROMETER

Temperature 59° F

Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof
40	26 7	50	13 5	60	1 2	70	17 7	80	39 4	90	71 1		
2	26 5	2	13 2	2	1 5	2	18 1	2	38 9	2	71 7		
4	26 3	4	12 9	4	1 8	4	18 5	4	40 4	4	72 4		
6	26 0	6	12 6	6	2 1	6	18 8	6	40 9	6	73 1		
8	25 7	8	12 4	8	2 4	8	19 2	8	41 4	8	73 8		
41	25 4	51	12 1	61	2 7	71	19 6	81	42 0	91	74 5		
2	25 1	2	11 8	2	3 0	2	20 0	2	42 6	2	75 1		
4	24 9	4	11 5	4	3 3	4	20 4	4	43 1	4	75 8		
6	24 6	6	11 2	6	3 6	6	20 8	6	43 7	6	76 4		
8	24 4	8	10 9	8	3 9	8	21 2	8	44 2	8	77 0		
42	24 1	52	10 6	62	4 2	72	21 6	82	44 8	92	77 7		
2	23 8	2	10 3	2	4 5	2	22 0	2	45 4	2	78 3		
4	23 6	4	10 0	4	4 9	4	22 4	4	46 0	4	79 0		
6	23 3	6	9 7	6	5 2	6	22 8	6	46 6	6	79 6		
8	23 1	8	9 4	8	5 5	8	23 2	8	47 2	8	80 2		
43	22 8	53	9 1	63	5 8	73	23 6	83	47 8	93	80 8		
2	22 5	2	8 8	2	6 1	2	24 1	2	48 4	2	81 4		
4	22 3	4	8 5	4	6 4	4	24 5	4	49 0	4	82 0		
6	22 0	6	8 2	6	6 7	6	24 9	6	49 6	6	82 6		
8	21 7	8	7 9	8	7 1	8	25 3	8	50 2	8	83 2		
44	21 4	54	7 6	64	7 4	74	25 7	84	50 9	94	83 8		
2	21 1	2	7 3	2	7 7	2	26 1	2	51 5	2	84 4		
4	20 9	4	7 0	4	8 1	4	26 5	4	52 2	4	85 0		
6	20 6	6	6 8	6	8 4	6	26 9	6	52 8	6	85 6		
8	20 4	8	6 5	8	8 7	8	27 3	8	53 4	8	86 2		
45	20 1	55	6 2	65	9 0	75	27 7	85	54 1	95	86 8		
2	19 9	2	5 9	2	9 3	2	28 1	2	54 7	2	87 4		
4	19 7	4	5 6	4	9 7	4	28 5	4	55 4	4	88 0		
6	19 4	6	5 3	6	10 0	6	28 9	6	56 1	6	88 6		
8	19 2	8	5 0	8	10 3	8	29 3	8	56 8	8	89 2		
46	18 9	56	4 7	66	10 6	76	29 7	86	57 5	96	89 7		
2	18 6	2	4 4	2	11 0	2	30 1	2	58 2	2	90 3		
4	18 4	4	4 1	4	11 3	4	30 6	4	58 9	4	90 8		
6	18 1	6	3 9	6	11 7	6	31 1	6	59 5	6	91 4		
8	17 9	8	3 6	8	12 0	8	31 6	8	60 1	8	92 0		
47	17 6	57	3 3	67	12 4	77	32 1	87	60 7	97	92 5		
2	17 3	2	3 0	2	12 7	2	32 6	2	61 4	2	93 0		
4	17 0	4	2 7	4	13 1	4	33 1	4	62 1	4	93 6		
6	16 8	6	2 4	6	13 4	6	33 6	6	62 9	6	94 2		
8	16 5	8	2 1	8	13 8	8	34 1	8	63 6	8	94 7		
48	16 2	58	1 8	68	14 1	78	34 6	88	64 2	98	95 2		
2	15 9	2	1 5	2	14 5	2	35 0	2	64 9	2	95 7		
4	15 6	4	1 2	4	14 9	4	35 5	4	65 6	4	96 2		
6	15 3	6	0 9	6	15 2	6	35 9	6	66 2	6	96 8		
8	15 1	8	0 6	8	15 6	8	36 4	8	66 9	8	97 4		
49	14 8	59	0 3	69	15 9	79	36 9	89	67 6	99	97 9		
2	14 5	2		2	16 3	2	37 4	2	68 3	2	98 4		
4	14 3	4	0 3	4	16 7	4	37 9	4	69 0	4	98 9		
6	14 1	6	0 6	6	17 0	6	38 4	6	69 7	6	99 4		
8	13 8	8	0 9	8	17 4	8	38 9	8	70 4	8	99 9		
50	13 5	60	1 2	70	17 7	80	39 4	90	71 1	100			

## GLASS HYDROMETER.

A

Temperature 60° F.

Divs on Stem A	Per cent over Proof	Divs on Stem A	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof
0		10	73 2	0	66 7	10	59 7	20	49 2	30	38 1				
2		2	73 1	2	66 0	2	59 5	2	49 0	2	37 8				
4		4	73 0	4	66 5	4	58 3	4	48 8	4	37 6				
6		6	72 8	6	66 3	6	58 1	6	48 6	6	37 4				
8		8	72 7	8	66 2	8	57 9	8	48 4	8	37 2				
1		11	72 6	1	66 1	11	57 8	21	48 2	31	36 9				
2		2	72 5	2	65 9	2	57 6	2	48 0	2	36 7				
4		4	72 3	4	65 8	4	57 4	4	47 8	4	36 5				
6		6	72 2	6	65 6	6	57 3	6	47 6	6	36 2				
8		8	72 1	8	65 5	8	57 1	8	47 4	8	36 0				
2		12	72 0	2	65 3	12	56 9	22	47 2	32	35 8				
2		2	71 8	2	65 2	2	56 7	2	47 0	2	35 6				
4		4	71 7	4	65 0	4	56 5	4	46 8	4	35 4				
6		6	71 6	6	64 9	6	56 3	6	46 6	6	35 2				
8		8	71 4	8	64 7	8	56 1	8	46 4	8	34 9				
3		13	71 3	3	64 6	13	55 9	23	46 2	33	34 7				
2		2	71 2	2	64 5	2	55 8	2	45 9	2	34 5				
4		4	71 0	4	64 3	4	55 6	4	45 7	4	34 3				
6		6	70 9	6	64 1	6	55 4	6	45 5	6	34 0				
8		8	70 8	8	63 9	8	55 2	8	45 3	8	33 8				
4		14	70 7	4	63 8	14	55 0	24	45 1	34	33 6				
2		2	70 5	2	63 7	2	54 9	2	44 9	2	33 3				
4		4	70 4	4	63 5	4	54 7	4	44 6	4	33 1				
6		6	70 3	6	63 3	6	54 5	6	44 4	6	32 8				
8		8	70 1	8	63 2	8	54 3	8	44 2	8	32 6				
5		15	70 0	5	63 0	15	54 1	25	44 0	35	32 4				
2		2	69 9	2	62 9	2	53 9	2	43 7	2	32 1				
4		4	69 7	4	62 7	4	53 7	4	43 5	4	31 9				
6		6	69 6	6	62 5	6	53 6	6	43 2	6	31 7				
8		8	69 5	8	62 3	8	53 4	8	43 0	8	31 5				
6		16	69 3	6	62 2	16	53 2	26	42 7	36	31 2				
2		2	69 2	2	62 0	2	53 0	2	42 5	2	31 0				
4		4	69 1	4	61 8	4	52 8	4	42 3	4	30 8				
6		6	68 9	6	61 7	6	52 7	6	42 0	6	30 5				
8		8	68 8	8	61 5	8	52 5	8	41 8	8	30 3				
7	75 2	17	68 7	7	61 3	17	52 3	27	41 6	37	30 0				
2	75 1	2	68 5	2	61 1	2	52 1	2	41 4	2	29 7				
4	75 0	4	68 4	4	60 9	4	51 9	4	41 1	4	29 5				
6	74 8	6	68 3	6	60 8	6	51 7	6	40 8	6	29 2				
8	74 7	8	68 2	8	60 6	8	51 5	8	40 6	8	29 0				
8	74 6	18	68 0	8	60 4	18	51 3	28	40 4	38	28 8				
2	74 5	2	67 9	2	60 2	2	51 1	2	40 1	2	28 5				
4	74 3	4	67 8	4	60 1	4	50 9	4	39 9	4	28 3				
6	74 2	6	67 7	6	59 9	6	50 7	6	39 7	6	28 0				
8	74 1	8	67 5	8	59 7	8	50 5	8	39 5	8	27 8				
9	73 9	19	67 4	9	59 5	19	50 2	29	39 2	39	27 5				
2	73 8	2	67 3	2	59 4	2	50 0	2	39 0	2	27 3				
4	73 6	4	67 1	4	59 2	4	49 8	4	38 8	4	27 1				
6	73 5	6	67 0	6	59 0	6	49 6	6	38 5	6	26 8				
8	73 4	8	66 9	8	58 8	8	49 4	8	38 3	8	26 6				
10	73 2	20	66 7	10	58 7	20	49 2	30	38 1	40	26 3				

## GLASS HYDROMETER.

Temperature 60° F.

Days on Stem	Per cent over Proof	Days on Stem	Per cent over Proof	Days on Stem	Per cent under Proof	Days on Stem	Per cent under Proof	Days on Stem	Per cent under Proof	Days on Stem	Per cent under Proof	Days on Stem	Per cent under Proof
40	26 3	50	13 2	60	1 5	70	18 1	80	39 7	90	71 3		
12	26 0	12	12 9	12	1 8	12	18 5	12	40 2	12	71 9		
4	25 8	4	12 6	4	2 1	4	18 9	4	40 7	4	72 6		
6	25 5	6	12 3	6	2 4	6	19 2	6	41 2	6	73 3		
8	25 3	8	12 0	8	2 7	8	19 6	8	41 8	8	74 0		
41	25 0	51	11 8	61	3 0	71	20 0	81	42 4	91	74 7		
2	24 7	2	11 6	2	3 3	2	20 4	2	43 0	2	75 3		
4	24 5	4	11 3	4	3 6	4	20 8	4	43 5	4	76 0		
6	24 3	6	11 0	6	3 9	6	21 2	6	44 0	6	76 6		
8	24 0	8	10 7	8	4 2	8	21 6	8	44 6	8	77 2		
42	23 8	52	10 4	62	4 6	72	22 0	82	45 2	92	77 9		
12	23 5	12	10 1	12	4 9	12	22 4	12	45 8	12	78 5		
4	23 2	4	9 9	4	5 2	4	22 8	4	46 4	4	79 1		
6	22 9	6	9 5	6	5 5	6	23 2	6	47 0	6	79 7		
8	22 7	8	9 2	8	5 8	8	23 6	8	47 6	8	80 3		
43	22 4	53	8 9	63	6 1	73	24 0	83	48 2	93	81 0		
2	22 1	2	8 6	2	6 5	2	24 4	2	48 8	2	81 6		
4	21 8	4	8 3	4	6 8	4	24 8	4	49 4	4	82 2		
6	21 6	6	8 0	6	7 1	6	25 2	6	50 0	6	82 8		
8	21 3	8	7 7	8	7 4	8	25 6	8	50 6	8	83 3		
44	21 0	54	7 4	64	7 7	74	26 0	84	51 2	94	83 9		
2	20 8	2	7 1	2	8 1	2	26 4	2	51 9	2	84 5		
4	20 6	4	6 8	4	8 4	4	26 8	4	52 5	4	85 1		
6	20 3	6	6 5	6	8 7	6	27 2	6	53 2	6	85 7		
8	20 1	8	6 2	8	9 0	8	27 6	8	53 8	8	86 3		
45	19 8	55	5 9	65	9 3	75	28 0	85	54 4	95	86 9		
2	19 6	2	5 6	2	9 6	2	28 4	2	55 0	2	87 5		
4	19 4	4	5 3	4	10 0	4	28 8	4	55 7	4	88 1		
6	19 1	6	5 0	6	10 3	6	29 2	6	56 4	6	88 7		
8	18 9	8	4 7	8	10 7	8	29 6	8	57 1	8	89 2		
46	18 6	56	4 4	66	11 0	76	30 0	86	57 8	96	89 8		
2	18 3	2	4 1	2	11 3	2	30 5	2	58 5	2	90 4		
4	18 0	4	3 8	4	11 7	4	31 0	4	59 1	4	91 0		
6	17 8	6	3 6	6	12 0	6	31 5	6	59 8	6	91 6		
8	17 6	8	3 3	8	12 4	8	32 0	8	60 4	8	92 1		
47	17 3	57	3 0	67	12 8	77	32 5	87	61 0	97	92 6		
2	17 0	2	2 7	2	13 1	2	33 0	2	61 7	2	93 1		
4	16 7	4	2 4	4	13 5	4	33 5	4	62 5	4	93 6		
6	16 4	6	2 1	6	13 8	6	34 0	6	63 2	6	94 2		
8	16 1	8	1 8	8	14 2	8	34 5	8	63 9	8	94 8		
48	15 8	58	1 5	68	14 5	78	34 9	88	64 5	98	95 3		
2	15 5	2	1 2	2	14 9	2	35 4	2	65 2	2	95 8		
4	15 3	4	0 9	4	15 3	4	35 8	4	65 9	4	96 3		
6	15 0	6	0 6	6	15 6	6	36 2	6	66 4	6	96 9		
8	14 8	8	0 3	8	15 9	8	36 7	8	67 1	8	97 5		
49	14 5	59		69	16 3	79	37 2	89	67 8	99	98 0		
2	14 2	2	0 3	2	16 7	2	37 7	2	68 5	2	98 5		
4	13 9	4	0 6	4	17 1	4	38 2	4	69 2	4	99 0		
6	13 6	6	0 9	6	17 4	6	38 7	6	69 9	6	99 5		
8	13 4	8	1 2	8	17 7	8	39 2	8	70 6	8	100 0		
50	13 2	60	1 5	70	18 1	80	39 7	90	71 3	100			

## GLASS HYDROMETER

A

Temperature 61° F.

Days on Stem A	Per cent over Proof	Days on Stem A	Per cent over Proof	Days on Stem	Per cent over Proof	Days on Stem	Per cent over Proof	Days on Stem	Per cent over Proof	Days on Stem	Per cent over Proof	Days on Stem	Per cent over Proof	Days on Stem	Per cent over Proof
0		10	73 1	0	66 6	10	54 4	20	44 9	30	37 8				
2		12	73 0	2	66 4	2	58 3	2	48 7	2	37 5				
4		4	72 9	4	66 3	4	58 1	4	48 5	4	37 3				
6		6	72 7	6	66 1	6	57 9	6	48 3	6	37 1				
8		8	72 6	8	66 0	8	57 7	8	48 1	8	36 9				
1		11	72 5	1	65 9	11	57 5	21	47 9	31	36 6				
2		12	72 4	2	65 7	2	57 3	2	47 7	2	36 4				
4		4	72 2	4	65 6	4	57 1	4	47 5	4	36 2				
6		6	72 1	6	65 4	6	57 0	6	47 3	6	35 9				
8		8	72 0	8	65 3	8	56 8	8	47 1	8	35 7				
2		12	71 8	12	65 1	12	56 6	22	46 9	32	35 5				
2		2	71 7	2	65 0	2	56 4	2	46 7	2	35 3				
4		4	71 6	4	64 8	4	56 2	4	46 5	4	35 1				
6		6	71 5	6	64 7	6	56 0	6	46 3	6	34 9				
8		8	71 3	8	64 5	8	55 9	8	46 1	8	34 6				
3		13	71 2	3	64 4	13	55 7	23	45 9	33	34 4				
2		2	71 1	2	64 2	2	55 5	2	45 6	2	34 2				
4		4	70 9	4	64 1	4	55 3	4	45 4	4	34 0				
6		6	70 8	6	63 9	6	55 1	6	45 2	6	33 7				
8		8	70 7	8	63 7	8	54 9	8	45 0	8	33 5				
4		14	70 5	4	63 6	14	54 7	24	44 8	34	33 2				
2		2	70 4	2	63 5	2	54 6	2	44 6	2	33 0				
4		4	70 3	4	63 3	4	54 4	4	44 3	4	32 8				
6		6	70 1	6	63 1	6	54 2	6	44 1	6	32 6				
8		8	70 0	8	62 9	8	54 0	8	43 9	8	32 3				
5		15	69 9	5	62 7	15	53 9	25	43 7	35	32 1				
2		2	69 7	2	62 6	2	53 7	2	43 4	2	31 8				
4		4	69 6	4	62 5	4	53 5	4	43 2	4	31 6				
6		6	69 5	6	62 3	6	53 3	6	42 9	6	31 4				
8		8	69 3	8	62 1	8	53 1	8	42 7	8	31 2				
6		16	69 2	6	61 9	16	52 9	26	42 4	36	30 9				
2		2	69 1	2	61 8	2	52 7	2	42 2	2	30 6				
4		4	69 0	4	61 6	4	52 5	4	41 9	4	30 4				
6		6	68 8	6	61 4	6	52 4	6	41 7	6	30 2				
8	75 2	8	68 7	8	61 2	8	52 2	8	41 4	8	30 0				
7	75 1	17	68 6	7	61 0	17	52 0	27	41 2	37	29 7				
2	75 0	2	68 4	2	60 9	2	51 8	2	41 0	2	29 4				
4	74 9	4	68 3	4	60 7	4	51 6	4	40 7	4	29 2				
6	74 7	6	68 2	6	60 5	6	51 4	6	40 5	6	28 9				
8	74 6	8	68 1	8	60 3	8	51 2	8	40 3	8	28 7				
8	74 4	18	67 9	8	60 2	18	51 0	28	40 1	38	28 4				
2	74 3	2	67 8	2	60 0	2	50 8	2	39 8	2	28 2				
4	74 2	4	67 7	4	59 8	4	50 6	4	39 6	4	28 0				
6	74 0	6	67 5	6	59 6	6	50 4	6	39 4	6	27 7				
8	73 9	8	67 4	8	59 5	8	50 2	8	39 2	8	27 5				
9	73 8	19	67 3	9	59 3	19	49 9	29	38 9	39	27 2				
2	73 6	2	67 1	2	59 1	2	49 7	2	38 7	2	27 0				
4	73 5	4	67 0	4	58 9	4	49 5	4	38 4	4	26 8				
6	73 4	6	66 9	6	58 7	6	49 3	6	38 2	6	26 5				
8	73 3	8	66 7	8	58 6	8	49 1	8	38 0	8	26 3				
10	73 1	20	66 6	10	58 4	20	48 9	30	37 8	40	26 0				

## GLASS HYDROMETER

Temperature 61° F.

Dips on Stem.		Dips on Stem		Dips on Stem		Dips on Stem		Dips on Stem		Dips on Stem		Dips on Stem		Dips on Stem		Dips on Stem		Dips on Stem	
Per cent over Proof		Per cent over Proof		Per cent over Proof		Per cent under Proof		Per cent under Proof		Per cent under Proof		Per cent under Proof		Per cent under Proof		Per cent under Proof		Per cent under Proof	
40	26 0	50	12 8	60	1 9	70	18 5	80	40 2	90	71 6								
2	25 7	12	12 5	12	2 2	2	18 9	2	40 7	2	72 2								
4	25 5	4	12 2	4	2 5	4	19 3	4	41 2	4	72 8								
6	25 2	6	11 9	6	2 8	6	19 7	6	41 7	6	73 5								
8	25 0	8	11 6	8	3 1	8	20 1	8	42 2	8	74 2								
41	24 7	51	11 4	61	3 4	71	20 5	81	42 8	91	74 9								
2	24 4	12	11 1	2	3 7	2	20 9	2	43 4	2	75 5								
4	24 2	4	10 8	4	4 0	4	21 3	4	43 9	4	76 2								
6	23 9	6	10 5	6	4 3	6	21 7	6	44 4	6	76 8								
8	23 7	8	10 2	8	4 6	8	22 1	8	45 0	8	77 4								
42	23 4	52	9 9	62	4 9	72	22 5	82	45 6	92	78 1								
2	23 1	2	9 6	2	5 3	2	22 9	2	46 2	2	78 7								
4	22 9	4	9 3	4	5 6	4	23 3	4	46 8	4	79 3								
6	22 6	6	9 0	6	5 9	6	23 7	6	47 4	6	80 0								
8	22 3	8	8 7	8	6 2	8	24 1	8	48 0	8	80 6								
43	22 0	53	8 4	63	6 5	73	24 5	83	48 6	93	81 2								
2	21 8	2	8 1	2	6 8	2	24 9	2	49 2	2	81 8								
4	21 5	4	7 8	4	7 1	4	25 3	4	49 8	4	82 4								
6	21 3	6	7 7	6	7 4	6	25 7	6	50 4	6	83 0								
8	21 0	8	7 2	8	7 8	8	26 1	8	51 0	8	83 5								
44	20 7	54	6 9	64	8 1	74	26 5	84	51 6	94	84 1								
2	20 5	2	6 6	2	8 4	2	26 9	2	52 3	2	84 6								
4	20 3	4	6 3	4	8 7	4	27 3	4	52 9	4	85 2								
6	20 0	6	6 0	6	9 0	6	27 6	6	53 5	6	85 8								
8	19 8	8	5 7	8	9 4	8	28 0	8	54 1	8	86 4								
45	19 5	55	5 4	65	9 7	75	28 4	85	54 8	95	87 0								
2	19 3	2	5 1	2	10 0	2	28 8	2	55 4	2	87 6								
4	19 0	4	4 9	4	10 4	4	29 2	4	56 1	4	88 2								
6	18 8	6	4 6	6	10 7	6	29 6	6	56 8	6	88 8								
8	18 5	8	4 4	8	11 0	8	30 0	8	57 5	8	89 4								
46	18 3	56	4 1	66	11 4	76	30 5	86	58 2	96	90 0								
2	18 0	2	3 8	2	11 7	2	31 0	2	58 8	2	90 6								
4	17 7	4	3 5	4	12 1	4	31 5	4	59 5	4	91 2								
6	17 4	6	3 2	6	12 5	6	32 0	6	60 1	6	91 8								
8	17 1	8	2 9	8	12 8	8	32 5	8	60 7	8	92 3								
47	16 9	57	2 6	67	13 2	77	33 0	87	61 4	97	92 8								
2	16 6	2	2 3	2	13 5	2	33 5	2	62 0	2	93 3								
4	16 3	4	2 0	4	13 9	4	34 0	4	62 7	4	93 8								
6	16 1	6	1 7	6	14 2	6	34 5	6	63 4	6	94 3								
8	15 8	8	1 4	8	14 5	8	34 9	8	64 1	8	94 9								
48	15 5	68	1 1	69	14 9	78	35 3	88	64 8	98	95 4								
2	15 2	2	0 8	2	15 3	2	35 8	2	65 5	2	95 9								
4	14 9	4	0 5	4	15 7	4	36 2	4	66 2	4	96 4								
6	14 6	6	0 2	6	16 0	6	36 6	6	66 8	6	97 0								
8	14 4	8	0 1	8	16 3	8	37 1	8	67 5	8	97 6								
49	14 2	59	0 4	69	16 7	79	37 6	89	68 2	99	98 1								
2	13 9	2	0 7	2	17 1	2	38 1	2	68 8	2	98 6								
4	13 6	4	1 0	4	17 4	4	38 6	4	69 5	4	99 1								
6	13 4	6	1 3	6	17 7	6	39 1	6	70 2	6	99 6								
8	13 1	8	1 6	8	18 1	8	39 6	8	70 9	8									
50	12 8	60	1 9	70	18 5	80	40 2	90	71 6	100									

## GLASS HYDROMETER.

A

Temperature 62° F.

Divs on Stem. A	Per cent over Proof	Divs on Stem A	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof
0		10	72 9	0	66 4	10	58 2	20	48 7	30	37 5		
2		12	72 8	2	66 2	12	58 0	22	48 5	32	37 2		
4		14	72 7	4	66 1	14	57 8	24	48 3	34	37 0		
6		16	72 5	6	65 9	16	57 7	26	48 0	36	36 8		
8		18	72 4	8	65 8	18	57 5	28	47 8	38	36 5		
1		20	72 3	10	65 7	20	57 3	30	47 6	40	36 3		
3		22	72 2	12	65 5	22	57 1	32	47 4	42	36 1		
5		24	72 0	14	65 3	24	56 9	34	47 2	44	35 9		
7		26	71 9	16	65 2	26	56 7	36	47 0	46	35 6		
9		28	71 8	18	65 0	28	56 5	38	46 8	48	35 4		
11		30	71 6	20	64 9	30	56 3	40	46 6	50	35 2		
13		32	71 5	22	64 8	32	56 1	42	46 4	52	35 0		
15		34	71 4	24	64 6	34	55 8	44	46 2	54	34 8		
17		36	71 3	26	64 5	36	55 8	46	46 0	56	34 6		
19		38	71 1	28	64 3	38	55 6	48	45 8	58	34 3		
21		40	71 0	30	64 1	40	55 4	50	45 6	60	34 1		
23		42	70 9	32	64 0	42	55 2	52	45 3	62	33 8		
25		44	70 7	34	63 8	44	55 0	54	45 1	64	33 6		
27		46	70 6	36	63 7	46	54 9	56	44 9	66	33 4		
29		48	70 5	38	63 5	48	54 7	58	44 7	68	33 2		
31		50	70 3	40	63 4	50	54 5	60	44 5	70	32 9		
33		52	70 2	42	63 2	52	54 3	62	44 3	72	32 7		
35		54	70 1	44	63 0	54	54 1	64	44 0	74	32 5		
37		56	69 9	46	62 9	56	53 9	66	43 8	76	32 2		
39		58	69 8	48	62 7	58	53 7	68	43 6	78	32 0		
41		60	69 7	50	62 5	60	53 6	70	43 3	80	31 8		
43		62	69 5	52	62 4	62	53 4	72	43 0	82	31 5		
45		64	69 4	54	62 2	64	53 2	74	42 8	84	31 3		
47		66	69 3	56	62 0	66	53 1	76	42 6	86	31 0		
49		68	69 1	58	61 8	68	52 9	78	42 4	88	30 8		
51		70	69 0	60	61 7	70	52 7	80	42 1	90	30 6		
53		72	68 9	62	61 5	72	52 5	82	41 9	92	30 3		
55		74	68 8	64	61 3	74	52 3	84	41 6	94	30 1		
57		76	68 6	66	61 1	76	52 1	86	41 4	96	29 8		
59		78	68 5	68	60 9	78	51 9	88	41 1	98	29 6		
61		80	68 4	70	60 8	80	51 7	90	40 9		29 3		
63		82	68 2	72	60 6	82	51 5	92	40 7		29 1		
65		84	68 1	74	60 4	84	51 3	94	40 4		28 9		
67		86	68 0	76	60 3	86	51 1	96	40 2		28 6		
69		88	67 9	78	60 1	88	50 9	98	40 0		28 4		
71		90	67 7	80	59 9	90	50 7		39 8		28 1		
73		92	67 6	82	59 7	92	50 5		39 5		27 8		
75		94	67 5	84	59 6	94	50 3		39 3		27 6		
77		96	67 3	86	59 4	96	50 1		39 1		27 4		
79		98	67 2	88	59 2		49 9		38 8		27 2		
81			67 1	90	59 1	98	49 7		38 6		26 9		
83			66 9	92	58 9		49 5		38 4		26 6		
85			66 8	94	58 7		49 3		38 1		26 4		
87			66 7	96	58 5		49 1		37 9		26 1		
89			66 5	98	58 3		48 9		37 7		25 9		
91			66 4	100	58 2		48 7		37 5		25 6		

## GLASS HYDROMETER.

Temperature 62° F.

Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof
40	25 6	50	12 4	60	2 2	70	18 9	80	40 6	90	71 8				
2	25 4	2	12 1	2	2 5	2	19 3	2	41 2	2	72 4				
4	25 1	4	11 9	4	2 8	4	19 7	4	41 7	4	73 0				
6	24 9	6	11 6	6	3 1	6	20 1	6	42 2	6	73 7				
8	24 6	8	11 3	8	3 4	8	20 5	8	42 7	8	74 4				
41	24 4	51	11 0	61	3 8	71	20 9	81	43 2	91	75 1				
2	24 1	2	10 7	2	4 1	2	21 3	2	43 8	2	75 7				
4	23 9	4	10 4	4	4 4	4	21 7	4	44 4	4	76 4				
6	23 6	6	10 1	6	4 7	6	22 1	6	44 9	6	77 0				
8	23 3	8	9 8	8	5 0	8	22 5	8	45 4	8	77 6				
42	23 0	52	9 5	62	5 3	72	22 9	82	46 0	92	78 3				
2	22 8	2	9 2	2	5 6	2	23 3	2	46 6	2	78 9				
4	22 5	4	8 9	4	5 9	4	23 7	4	47 2	4	79 5				
6	22 2	6	8 6	6	6 2	6	24 1	6	47 8	6	80 2				
8	22 0	8	8 3	8	6 6	8	24 5	8	48 4	8	80 8				
43	21 7	53	8 0	63	6 9	73	24 9	83	49 0	93	81 4				
2	21 4	2	7 7	2	7 2	2	25 3	2	49 6	2	82 0				
4	21 2	4	7 4	4	7 5	4	25 7	4	50 2	4	82 6				
6	21 0	6	7 1	6	7 8	6	26 1	6	50 8	6	83 2				
8	20 7	8	6 8	8	8 1	8	26 5	8	51 4	8	83 8				
44	20 4	54	6 5	64	8 5	74	26 9	84	52 0	94	84 4				
2	20 1	2	6 2	2	8 8	2	27 3	2	52 7	2	85 0				
4	19 8	4	5 9	4	9 1	4	27 7	4	53 3	4	85 6				
6	19 6	6	5 6	6	9 4	6	28 1	6	53 9	6	86 2				
8	19 4	8	5 3	8	9 7	8	28 5	8	54 5	8	86 8				
45	19 2	55	5 0	65	10 1	75	28 9	85	55 2	95	87 3				
2	18 9	2	4 8	2	10 4	2	29 3	2	55 8	2	87 8				
4	18 7	4	4 5	4	10 7	4	29 7	4	56 5	4	88 4				
6	18 4	6	4 2	6	11 0	6	30 1	6	57 1	6	89 0				
8	18 2	8	4 0	8	11 4	8	30 5	8	57 8	8	89 6				
46	17 9	56	3 7	66	11 8	76	30 9	86	58 5	96	90 2				
2	17 6	2	3 4	2	12 1	2	31 4	2	59 1	2	90 8				
4	17 4	4	3 2	4	12 5	4	31 9	4	59 8	4	91 4				
6	17 1	6	2 9	6	12 8	6	32 4	6	60 4	6	91 9				
8	16 9	8	2 6	8	13 2	8	32 9	8	61 1	8	92 4				
47	16 6	57	2 3	67	13 6	77	33 4	87	61 7	97	92 9				
2	16 3	2	2 0	2	13 9	2	33 9	2	62 4	2	93 5				
4	16 0	4	1 7	4	14 3	4	34 4	4	63 1	4	94 0				
6	15 7	6	1 4	6	14 6	6	34 8	6	63 7	6	94 5				
8	15 4	8	1 1	8	15 0	8	35 3	8	64 4	8	95 0				
48	15 1	58	0 8	68	15 3	78	35 7	88	65 1	98	95 5				
2	14 9	2	0 5	2	15 7	2	36 2	2	65 8	2	96 1				
4	14 6	4	0 2	4	16 1	4	36 6	4	66 5	4	96 6				
6	14 3	6	0 1	6	16 4	6	37 1	6	67 1	6	97 1				
8	14 1	8	0 4	8	16 7	8	37 6	8	67 8	8	97 7				
49	13 9	59	0 7	69	17 1	79	38 1	89	68 5	99	98 2				
2	13 6	2	1 0	2	17 4	2	38 6	2	69 1	2	98 7				
4	13 3	4	1 3	4	17 7	4	39 1	4	69 8	4	99 2				
6	13 0	6	1 6	6	18 1	6	39 6	6	70 5	6	99 7				
8	12 7	8	1 9	8	18 5	8	40 1	8	71 2	8					
50	12 4	60	2 2	70	18 9	80	40 6	90	71 8	100					

## GLASS HYDROMETER.

A Temperature 63° F.

Divs on Stem A	Per cent over Proof	Divs on Stem A	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof
0		10	72 7	0	66 2	10	57 9	20	48 4	30	37 1		
2		2	72 6	2	66 0	2	57 7	2	48 2	2	36 9		
4		4	72 5	4	65 9	4	57 5	4	48 0	4	36 7		
6		6	72 4	6	65 7	6	57 4	6	47 8	6	36 4		
8		8	72 2	8	65 6	8	57 2	8	47 6	8	36 2		
1		11	72 1	1	65 5	11	57 0	21	47 4	31	36 0		
2		2	72 0	2	65 3	2	56 9	2	47 2	2	35 8		
4		4	71 8	4	65 1	4	56 7	4	47 0	4	35 6		
6		6	71 7	6	65 0	6	56 5	6	46 7	6	35 3		
8		8	71 6	8	64 8	8	56 3	8	46 5	8	35 1		
12		12	71 4	2	64 7	12	56 1	22	46 3	32	34 9		
2		2	71 3	2	64 6	2	55 9	2	46 1	2	34 7		
4		4	71 2	4	64 4	4	55 7	4	45 9	4	34 4		
6		6	71 1	6	64 2	6	55 5	6	45 7	6	34 2		
8		8	70 9	8	64 1	8	55 3	8	45 5	8	34 0		
3		13	70 8	3	63 9	13	55 1	23	45 3	33	33 8		
2		2	70 7	2	63 8	2	54 9	2	45 0	2	33 5		
4		4	70 5	4	63 6	4	54 7	4	44 8	4	33 3		
6		6	70 4	6	63 5	6	54 6	6	44 6	6	33 1		
8		8	70 3	8	63 3	8	54 4	8	44 4	8	32 9		
4		14	70 1	4	63 1	14	54 2	24	44 2	34	32 6		
2		2	70 0	2	63 0	2	54 1	2	44 0	2	32 4		
4		4	69 9	4	62 8	4	53 9	4	43 7	4	32 2		
6		6	69 7	6	62 6	6	53 7	6	43 5	6	31 9		
8		8	69 6	8	62 4	8	53 5	8	43 2	8	31 7		
5		15	69 5	5	62 3	15	53 3	25	43 0	35	31 5		
2		2	69 3	2	62 1	2	53 1	2	42 7	2	31 2		
4		4	69 2	4	62 0	4	52 9	4	42 5	4	31 0		
6		6	69 1	6	61 8	6	52 8	6	42 2	6	30 7		
8		8	68 9	8	61 6	8	52 6	8	42 0	8	30 5		
6		16	68 8	6	61 4	16	52 4	26	41 8	36	30 3		
2	75 2	2	68 7	2	61 2	2	52 2	2	41 5	2	30 0		
4	75 1	4	68 6	4	61 1	4	52 0	4	41 2	4	29 8		
6	75 0	6	68 4	6	60 9	6	51 8	6	41 0	6	29 5		
8	74 8	8	68 3	8	60 7	8	51 6	8	40 8	8	29 3		
7	74 7	17	68 2	7	60 5	17	51 4	27	40 6	37	29 0		
2	74 6	2	68 1	2	60 3	2	51 2	2	40 4	2	28 7		
4	74 5	4	67 9	4	60 2	4	51 0	4	40 1	4	28 5		
6	74 3	6	67 8	6	60 0	6	50 8	6	39 9	6	28 3		
8	74 2	8	67 7	8	59 8	8	50 6	8	39 7	8	28 1		
8	74 0	18	67 5	8	59 6	18	50 4	28	39 5	38	27 8		
2	73 9	2	67 4	2	59 5	2	50 2	2	39 2	2	27 5		
4	73 8	4	67 3	4	59 3	4	50 0	4	39 0	4	27 3		
6	73 6	6	67 1	6	59 1	6	49 8	6	38 7	6	27 1		
8	73 5	8	67 0	8	59 0	8	49 6	8	38 5	8	26 8		
9	73 4	19	66 9	9	58 8	19	49 4	29	38 3	39	26 6		
2	73 3	2	66 7	2	58 6	2	49 2	2	38 0	2	26 3		
4	73 1	4	66 6	4	58 4	4	49 0	4	37 8	4	26 1		
6	73 0	6	66 5	6	58 3	6	48 8	6	37 6	6	25 9		
8	72 9	8	66 3	8	58 1	8	48 6	8	37 3	8	25 6		
10	72 7	20	66 2	10	57 9	20	48 4	30	37 1	40	25 3		

## GLASS HYDROMETER.

Temperature 63° F.

Dive on Stem	Per cent over Proof	Dive on Stem	Per cent over Proof	Dive on Stem	Per cent under Proof	Dive on Stem	Per cent under Proof	Dive on Stem	Per cent under Proof	Dive on Stem	Per cent under Proof	Dive on Stem	Per cent under Proof	Dive on Stem	Per cent under Proof
40	25 3	50	12 1	60	2 6	70	19 3	80	41 1	90	72 1				
2	25 0	2	11 8	2	2 9	2	19 7	2	41 6	2	72 7				
4	24 8	4	11 5	4	2 2	4	20 1	4	42 2	4	73 3				
6	24 5	6	11 2	6	3 5	6	20 5	6	42 7	6	74 0				
8	24 3	8	10 9	8	3 8	8	20 9	8	43 2	8	74 7				
41	24 0	51	10 6	61	4 1	71	21 3	81	43 7	91	75 4				
2	23 7	2	10 3	2	4 4	2	21 7	2	44 3	2	76 0				
4	23 5	4	10 0	4	4 7	4	22 1	4	44 8	4	76 6				
6	23 2	6	9 7	6	5 0	6	22 5	6	45 4	6	77 2				
8	23 0	8	9 4	8	5 4	8	22 9	8	45 9	8	77 8				
42	22 7	52	9 1	62	5 7	72	23 3	82	46 5	92	78 5				
2	22 4	2	8 8	2	6 0	2	23 7	2	47 1	2	79 1				
4	22 1	4	8 5	4	6 3	4	24 1	4	47 7	4	79 7				
6	21 9	6	8 2	6	6 6	6	24 5	6	48 2	6	80 4				
8	21 7	8	7 9	8	6 9	8	24 9	8	48 8	8	81 0				
43	21 4	53	7 6	63	7 2	73	25 3	83	49 4	93	81 6				
2	21 1	2	7 3	2	7 6	2	25 7	2	50 0	2	82 2				
4	20 9	4	7 0	4	7 9	4	26 1	4	50 6	4	82 8				
6	20 7	6	6 8	6	8 2	6	26 5	6	51 2	6	83 4				
8	20 4	8	6 5	8	8 5	8	26 9	8	51 8	8	84 0				
44	20 1	54	6 2	64	8 8	74	27 3	84	52 4	94	84 6				
2	19 8	2	5 9	2	9 2	2	27 7	2	53 1	2	85 2				
4	19 6	4	5 6	4	9 5	4	28 1	4	53 7	4	85 8				
6	19 3	6	5 3	6	9 8	6	28 5	6	54 3	6	86 4				
8	19 1	8	5 0	8	10 1	8	28 9	8	54 9	8	86 9				
45	18 9	55	4 7	65	10 4	75	29 3	85	55 5	95	87 5				
2	18 6	2	4 4	2	10 8	2	29 7	2	56 2	2	88 0				
4	18 4	4	4 1	4	11 1	4	30 1	4	56 8	4	88 6				
6	18 1	6	3 8	6	11 4	6	30 5	6	57 4	6	89 2				
8	17 9	8	3 5	8	11 7	8	30 9	8	58 1	8	89 8				
46	17 6	56	3 3	66	12 0	76	31 4	86	58 8	96	90 4				
2	17 3	2	3 0	2	12 4	2	31 9	2	59 4	2	91 0				
4	17 1	4	2 7	4	12 8	4	32 4	4	60 1	4	91 5				
6	16 9	6	2 4	6	13 2	6	32 8	6	60 7	6	92 0				
8	16 5	8	2 1	8	13 6	8	33 3	8	61 4	8	92 5				
47	16 2	57	1 9	67	13 9	77	33 8	87	62 0	97	93 0				
2	15 9	2	1 6	2	14 3	2	34 3	2	62 7	2	93 6				
4	15 6	4	1 3	4	14 7	4	34 8	4	63 4	4	94 1				
6	15 4	6	1 0	6	15 0	6	35 2	6	64 0	6	94 6				
8	15 1	8	0 7	8	15 3	8	35 7	8	64 7	8	95 1				
48	14 8	58	0 4	68	15 7	78	36 1	88	65 4	98	95 6				
2	14 5	2	0 1	2	16 1	2	36 6	2	66 1	2	96 2				
4	14 3	4	0 2	4	16 4	4	37 0	4	66 8	4	96 7				
6	14 0	6	0 5	6	16 7	6	37 5	6	67 4	6	97 2				
8	13 8	8	0 8	8	17 1	8	38 0	8	68 1	8	97 8				
49	13 5	59	1 1	69	17 5	79	38 5	89	68 8	99	98 3				
2	13 2	2	1 4	2	17 9	2	39 0	2	69 4	2	98 8				
4	12 9	4	1 7	4	18 2	4	39 5	4	70 1	4	99 3				
6	12 7	6	2 0	6	18 5	6	40 1	6	70 8	6	99 8				
8	12 4	8	2 3	8	18 9	8	40 6	8	71 5	8					
50	12 1	60	2 6	70	19 3	80	41 1	90	72 1	100					

## GLASS HYDROMETER.

A

Temperature 64° F.

Divs on Stem A	Per cent over Proof	Divs on Stem A	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof
0		10	72 5	0	66 0	10	57 7	20	48 1	30	36 8		
1		2	72 3	2	65 8	2	57 5	2	47 9	2	36 6		
2		4	72 2	4	65 7	4	57 3	4	47 7	4	36 4		
3		6	72 1	6	65 5	6	57 1	6	47 5	6	36 1		
4		8	72 0	8	65 4	8	56 9	8	47 3	8	35 9		
5		11	71 8	1	65 2	11	56 7	21	47 1	31	35 7		
6		2	71 7	2	65 1	2	56 6	2	46 9	2	35 5		
7		4	71 6	4	64 9	4	56 4	4	46 7	4	35 3		
8		6	71 4	6	64 8	6	56 2	6	46 4	6	35 1		
9		8	71 3	8	64 6	8	56 0	8	46 2	8	34 9		
10		12	71 2	12	64 5	12	55 8	22	46 0	32	34 6		
11		2	71 0	2	64 3	2	55 6	2	45 8	2	34 4		
12		4	70 9	4	64 2	4	55 5	4	45 6	4	34 1		
13		6	70 8	6	64 0	6	55 3	6	45 4	6	33 9		
14		8	70 7	8	63 9	8	55 1	8	45 2	8	33 7		
15		13	70 5	3	63 7	13	54 9	23	45 0	33	33 5		
16		2	70 4	2	63 6	2	54 7	2	44 7	2	33 2		
17		4	70 3	4	63 4	4	54 5	4	44 5	4	33 0		
18		6	70 1	6	63 2	6	54 3	6	44 3	6	32 8		
19		8	70 0	8	63 0	8	54 1	8	44 1	8	32 6		
20		14	69 9	4	62 9	14	53 9	24	43 8	34	32 3		
21		2	69 7	2	62 7	2	53 8	2	43 6	2	32 1		
22		4	69 6	4	62 5	4	53 6	4	43 3	4	31 9		
23		6	69 5	6	62 4	6	53 4	6	43 1	6	31 6		
24		8	69 4	8	62 2	8	53 2	8	42 8	8	31 4		
25		15	69 3	5	62 0	15	53 1	25	42 6	35	31 2		
26		2	69 1	2	61 9	2	52 9	2	42 4	2	30 9		
27		4	69 0	4	61 7	4	52 7	4	42 2	4	30 7		
28		6	68 9	6	61 5	6	52 5	6	42 0	6	30 4		
29		8	68 7	8	61 3	8	52 3	8	41 7	8	30 2		
30		16	68 6	6	61 1	16	52 1	26	41 4	36	30 0		
31		2	68 5	2	61 0	2	51 9	2	41 2	2	29 7		
32		4	68 4	4	60 8	4	51 7	4	40 9	4	29 5		
33		6	68 2	6	60 6	6	51 5	6	40 7	6	29 2		
34		8	68 1	8	60 4	8	51 3	8	40 5	8	29 0		
35		17	68 0	7	60 3	17	51 1	27	40 3	37	28 7		
36		2	67 9	2	60 1	2	50 9	2	40 1	2	28 4		
37		4	67 7	4	59 9	4	50 7	4	39 8	4	28 2		
38		6	67 6	6	59 7	6	50 5	6	39 6	6	27 9		
39		8	67 5	8	59 6	8	50 3	8	39 4	8	27 7		
40		18	67 3	8	59 4	18	50 1	28	39 2	38	27 5		
41		2	67 2	2	59 2	2	49 9	2	38 9	2	27 2		
42		4	67 1	4	59 1	4	49 7	4	38 7	4	27 0		
43		6	66 9	6	58 9	6	49 5	6	38 4	6	26 7		
44		8	66 8	8	58 7	8	49 3	8	38 2	8	26 5		
45		19	66 7	9	58 5	19	49 1	29	37 9	39	26 2		
46		2	66 5	2	58 4	2	48 9	2	37 7	2	26 0		
47		4	66 4	4	58 2	4	48 7	4	37 5	4	25 7		
48		6	66 3	6	58 0	6	48 5	6	37 3	6	25 5		
49		8	66 2	8	57 8	8	48 3	8	37 0	8	25 2		
50		20	66 0	10	57 7	20	48 1	30	36 8	40	25 0		

## GLASS HYDROMETER.

Temperature 64° F

Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof
40	25 0	50	11 7	60	12 9	70	19 8	80	41 5	90	72 3		
12	24 1	2	11 4	12	12 2	2	20 2	12	42 1	12	72 9		
4	24 5	4	11 2	4	12 5	4	20 6	4	42 6	4	73 6		
6	24 2	6	10 9	6	12 8	6	21 0	6	43 1	6	74 2		
8	24 0	8	10 6	8	12 1	8	21 4	8	43 6	8	74 9		
41	23 7	51	10 3	61	12 4	71	21 8	81	44 1	91	75 6		
12	23 4	2	10 0	12	12 8	2	22 2	12	44 7	12	76 2		
4	23 3	4	9 7	4	13 1	4	22 6	4	45 2	4	76 8		
6	23 2	6	9 4	6	13 4	6	23 0	6	45 8	6	77 4		
8	23 6	8	9 1	8	13 7	8	23 4	8	46 3	8	78 0		
42	22 3	52	8 8	62	14 0	72	23 8	82	46 9	92	78 7		
12	22 1	2	8 5	12	14 4	2	24 2	12	47 5	12	79 3		
4	21 8	4	8 2	4	14 7	4	24 6	4	48 1	4	79 9		
6	21 5	6	7 9	6	15 0	6	25 0	6	48 7	6	80 6		
8	21 3	8	7 6	8	15 3	8	25 4	8	49 3	8	81 2		
43	21 1	53	7 3	63	15 6	73	25 8	83	49 9	93	81 8		
2	20 8	2	7 0	12	15 9	12	26 2	12	50 5	2	82 4		
4	20 5	4	6 7	4	16 3	4	26 6	4	51 1	4	83 0		
6	20 3	6	6 5	6	16 6	6	26 9	6	51 7	6	83 6		
8	20 0	8	6 2	8	16 9	8	27 3	8	52 3	8	84 2		
44	19 8	54	5 9	64	17 2	74	27 7	84	52 9	94	84 8		
12	19 5	12	5 6	12	17 6	12	28 0	12	53 5	12	85 4		
4	19 3	4	5 3	4	17 9	4	28 4	4	54 1	4	86 0		
6	19 0	6	5 0	6	18 3	6	28 8	6	54 8	6	86 6		
8	18 8	8	4 7	8	18 6	8	29 2	8	55 4	8	87 1		
45	18 5	55	4 4	65	18 8	75	29 6	85	56 0	95	87 7		
2	18 3	2	4 1	12	19 2	12	30 0	12	56 7	2	88 2		
4	18 0	4	3 9	4	19 5	4	30 4	4	57 4	4	88 8		
6	17 8	6	3 6	6	19 8	6	30 8	6	58 0	6	89 4		
8	17 5	8	3 3	8	20 2	8	31 3	8	58 7	8	90 0		
46	17 2	56	3 0	66	20 5	76	31 8	86	59 4	96	90 6		
2	16 9	2	2 7	12	20 9	12	32 3	12	60 0	12	91 2		
4	16 7	4	2 4	4	21 2	4	32 8	4	60 6	4	91 7		
6	16 4	6	2 2	6	21 6	6	33 3	6	61 2	6	92 2		
8	16 2	8	1 9	8	21 9	8	33 8	8	61 8	8	92 7		
47	15 9	57	1 6	67	22 3	77	34 2	87	62 4	97	93 1		
2	15 6	2	1 3	12	22 7	12	34 7	12	63 0	12	93 7		
4	15 3	4	1 0	4	23 1	4	35 2	4	63 7	4	94 2		
6	15 0	6	0 7	6	23 4	6	35 6	6	64 4	6	94 7		
8	14 7	8	0 4	8	23 7	8	36 0	8	65 1	8	95 2		
48	14 5	58	0 1	68	24 1	78	36 5	88	65 7	98	95 7		
2	14 2	2	0 2	12	24 5	12	37 0	12	66 4	12	96 3		
4	14 0	4	0 5	4	24 8	4	37 5	4	67 1	4	96 8		
6	13 7	6	0 8	6	25 2	6	37 9	6	67 7	6	97 3		
8	13 5	8	1 1	8	25 5	8	38 4	8	68 4	8	97 9		
49	13 2	59	1 4	69	25 9	79	38 9	89	69 1	99	98 4		
2	12 9	2	1 7	12	26 3	12	39 4	12	69 7	12	98 9		
4	12 6	4	2 0	4	26 7	4	39 9	4	70 4	4	99 4		
6	12 3	6	2 3	6	27 0	6	40 4	6	71 1	6	99 9		
8	12 0	8	2 6	8	27 4	8	41 0	8	71 7	8			
50	11 7	60	2 9	70	27 8	80	41 5	90	72 3	100			

A

Temperature 65° F.

Days on Stem		Per cent over Proof	Days on Stem		Per cent over Proof	Days on Stem		Per cent over Proof	Days on Stem		Per cent over Proof	Days on Stem		Per cent over Proof
A			A			A			A			A		
0	10	72 3	0	10	65 8	10	57 4	20	47 8	30	36 5			
1	11	71 7	1	11	65 0	11	56 5	21	46 8	31	35 4			
2	12	70 9	2	12	64 9	12	55 3	22	45 7	32	34 3			
3	13	70 4	3	13	63 8	13	54 6	23	44 4	33	33 2			
4	14	69 7	4	14	62 7	14	53 7	24	43 5	34	32 0			
5	15	68 9	5	15	61 8	15	52 8	25	42 3	35	30 8			
6	16	68 4	6	16	60 9	16	51 9	26	41 1	36	29 6			
7	17	67 8	7	17	60 0	17	50 9	27	40 0	37	28 4			
8	18	67 1	8	18	59 1	18	49 8	28	38 8	38	27 2			
9	19	66 5	9	19	58 3	19	48 8	29	37 6	39	25 9			
10	20	65 8	10	20	57 4	20	47 8	30	36 5	40	24 6			

## GLASS HYDROMETER.

Temperature 65° F.

Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof
40	24 7	50	11 3	60	3 3	70	20 2	80	41 9	90	72 5		
2	24 4	2	11 0	2	3 6	2	20 6	2	42 4	2	73 1		
4	24 2	4	10 8	4	3 9	4	21 0	4	42 9	4	73 7		
6	23 9	6	10 5	6	4 2	6	21 4	6	43 4	6	74 4		
8	23 7	8	10 2	8	4 5	8	21 8	8	44 0	8	75 0		
41	23 4	51	9 9	61	4 8	71	22 2	81	44 5	91	75 7		
2	23 2	2	9 6	2	5 2	2	22 6	2	45 0	2	76 3		
4	22 9	4	9 3	4	5 5	4	23 0	4	45 6	4	76 9		
6	22 6	6	9 0	6	5 8	6	23 4	6	46 2	6	77 5		
8	22 4	8	8 7	8	6 1	8	23 8	8	46 8	8	78 1		
42	22 1	52	8 4	62	6 4	72	24 2	82	47 3	92	78 8		
2	21 8	2	8 1	2	6 7	2	24 6	2	47 9	2	79 4		
4	21 6	4	7 8	4	7 0	4	25 0	4	48 5	4	80 0		
6	21 3	6	7 5	6	7 3	6	25 4	6	49 0	6	80 7		
8	21 0	8	7 3	8	7 7	8	25 8	8	49 6	8	81 3		
43	20 7	53	7 0	63	8 0	73	26 2	83	50 1	93	81 9		
2	20 5	2	6 7	2	8 3	2	26 5	2	50 7	2	82 5		
4	20 2	4	6 4	4	8 6	4	26 9	4	51 3	4	83 1		
6	20 0	6	6 1	6	8 9	6	27 2	6	51 9	6	83 7		
8	19 7	8	5 8	8	9 2	8	27 6	8	52 5	8	84 3		
44	19 5	54	5 5	64	9 6	74	28 0	84	53 1	94	84 9		
2	19 2	2	5 2	2	9 9	2	28 4	2	53 7	2	85 5		
4	19 0	4	4 9	4	10 2	4	28 9	4	54 3	4	86 1		
6	18 7	6	4 6	6	10 5	6	29 2	6	54 9	6	86 7		
8	18 5	8	4 3	8	10 9	8	29 6	8	55 5	8	87 2		
45	18 2	55	4 0	65	11 2	75	30 0	85	56 1	95	87 8		
2	17 9	2	3 8	2	11 6	2	30 5	2	56 8	2	88 3		
4	17 7	4	3 5	4	11 9	4	31 0	4	57 4	4	88 9		
6	17 4	6	3 2	6	12 2	6	31 4	6	58 0	6	89 5		
8	17 2	8	3 0	8	12 5	8	31 9	8	58 7	8	90 1		
46	16 5	56	2 7	66	12 9	76	32 3	86	59 3	96	90 7		
2	16 6	2	2 4	2	13 2	2	32 5	2	59 9	2	91 3		
4	16 3	4	2 1	4	13 6	4	33 2	4	60 6	4	91 8		
6	16 1	6	1 8	6	14 0	6	33 7	6	61 3	6	92 4		
8	15 8	8	1 5	8	14 4	8	34 2	8	62 0	8	92 8		
47	15 5	57	1 2	67	14 7	77	34 7	87	62 6	97	93 4		
2	15 2	2	0 9	2	15 1	2	35 1	2	63 3	2	93 9		
4	14 9	4	0 6	4	15 4	4	35 5	4	64 0	4	94 4		
6	14 7	6	0 3	6	15 7	6	36 0	6	64 7	6	94 9		
8	14 4	8		8	16 1	8	36 5	8	65 3	8	95 4		
48	14 1	58	0 3	68	16 5	78	37 0	88	66 0	98	95 9		
2	13 9	2	0 6	2	16 9	2	37 5	2	66 7	2	96 4		
4	13 6	4	0 9	4	17 2	4	38 0	4	67 3	4	96 9		
6	13 3	6	1 2	6	17 5	6	38 4	6	67 9	6	97 4		
8	13 1	8	1 5	8	17 9	8	38 9	8	68 6	8	98 0		
49	12 8	59	1 8	69	18 3	79	39 4	89	69 3	99	98 5		
2	12 5	2	2 1	2	18 6	2	39 9	2	69 9	2	99 0		
4	12 2	4	2 4	4	19 0	4	40 4	4	70 6	4	99 6		
6	11 9	6	2 7	6	19 4	6	40 9	6	71 3	6	100 0		
8	11 6	8	3 0	8	19 8	8	41 4	8	71 9	8			
50	11 3	60	3 3	70	20 2	80	41 9	90	72 5	100			

## GLASS HYDROMETER

A Temperature 66° F.

Dive on Stem A	Per cent over Proof	Dive on Stem A	Per cent over Proof	Dive on Stem	Per cent over Proof	Dive on Stem	Per cent over Proof	Dive on Stem	Per cent over Proof	Dive on Stem	Per cent over Proof	Dive on Stem	Per cent over Proof
0		10	72 2	0	65 6	10	57 1	20	47 5	30	36 2		
2		2	72 1	2	65 4	2	57 0	2	47 3	2	36 0		
4		4	72 0	4	65 3	4	56 8	4	47 1	4	35 8		
6		6	71 8	6	65 1	6	56 6	6	46 9	6	35 6		
8		8	71 7	8	64 9	8	56 4	8	46 7	8	35 4		
1		11	71 6	1	64 8	11	56 3	21	46 5	31	35 1		
2		2	71 5	2	64 7	2	56 1	2	46 3	2	34 9		
4		4	71 3	4	64 5	4	55 9	4	46 1	4	34 7		
6		6	71 2	6	64 3	6	55 7	6	45 9	6	34 4		
8		8	71 1	8	64 2	8	55 5	8	45 7	8	34 2		
2		12	70 9	2	64 1	12	55 3	22	45 4	32	34 0		
4		2	70 8	2	63 9	2	55 1	2	45 2	2	33 8		
6		4	70 7	4	63 7	4	54 9	4	45 0	4	33 5		
8		6	70 5	6	63 6	6	54 7	6	44 8	6	33 3		
3		8	70 4	8	63 4	8	54 5	8	44 6	8	33 1		
2		13	70 3	3	63 3	13	54 3	23	44 4	33	32 9		
4		2	70 1	2	63 1	2	54 2	2	44 1	2	32 6		
6		4	70 0	4	62 9	4	54 0	4	43 9	4	32 4		
8		6	69 9	6	62 7	6	53 8	6	43 6	6	32 1		
4		8	69 7	8	62 5	8	53 6	8	43 4	8	31 9		
2		14	69 6	4	62 4	14	53 5	24	43 2	34	31 7		
4		2	69 5	2	62 2	2	53 3	2	42 9	2	31 4		
6		4	69 3	4	62 0	4	53 1	4	42 7	4	31 2		
8		6	69 2	6	61 9	6	52 9	6	42 5	6	31 0		
5		8	69 1	8	61 7	8	52 7	8	42 2	8	30 8		
2		15	69 0	5	61 5	15	52 5	25	42 0	35	30 5		
4		2	68 8	2	61 3	2	52 3	2	41 7	2	30 3		
6	75 2	4	68 7	4	61 2	4	52 1	4	41 5	4	30 0		
8	75 1	6	68 6	6	61 0	6	51 9	6	41 2	6	29 8		
6	75 0	8	68 4	8	60 8	8	51 7	8	41 0	8	29 5		
2	74 9	10	68 3	6	60 7	10	51 5	26	40 7	36	29 3		
4	74 7	2	68 2	2	60 5	2	51 3	2	40 5	2	29 0		
6	74 6	4	68 1	4	60 3	4	51 1	4	40 3	4	28 8		
8	74 4	6	67 9	6	60 1	6	50 9	6	40 1	6	28 5		
7	74 3	8	67 8	8	59 9	8	50 7	8	39 9	8	28 3		
2	74 2	17	67 7	7	59 8	17	50 5	27	39 7	37	28 1		
4	74 0	2	67 5	2	59 7	2	50 3	2	39 5	2	27 9		
6	73 9	4	67 4	4	59 5	4	50 1	4	39 2	4	27 7		
8	73 8	6	67 3	6	59 3	6	49 9	6	39 0	6	27 4		
8	73 6	8	67 1	8	59 1	8	49 7	8	38 8	8	27 2		
8	73 5	18	67 0	8	58 9	18	49 5	28	38 5	38	26 9		
2	73 4	2	66 9	2	58 7	2	49 3	2	38 2	2	26 7		
4	73 3	4	66 7	4	58 5	4	49 1	4	38 0	4	26 4		
6	73 1	6	66 6	6	58 4	6	48 9	6	37 8	6	26 2		
8	73 0	8	66 4	8	58 2	8	48 7	8	37 6	8	25 9		
9	72 9	19	66 2	9	58 1	19	48 5	29	37 3	39	25 7		
2	72 7	2	66 1	2	57 9	2	48 3	2	37 1	2	25 4		
4	72 6	4	66 0	4	57 7	4	48 1	4	36 9	4	25 2		
6	72 5	6	65 9	6	57 5	6	47 9	6	36 7	6	24 9		
8	72 4	8	65 7	8	57 3	8	47 7	8	36 4	8	24 7		
10	72 2	20	65 6	10	57 1	20	47 5	30	36 2	40	24 4		

## GLASS HYDROMETER.

Temperature 66° F.

Dive on Stem	Per cent over Proof	Dive on Stem	Per cent over Proof	Dive on Stem	Per cent under Proof	Dive on Stem	Per cent under Proof	Dive on Stem	Per cent under Proof	Dive on Stem	Per cent under Proof	Dive on Stem	Per cent under Proof	Dive on Stem	Per cent under Proof
40	21 4	50	11 1	60	3 0	70	20 6	80	42 4	90	72 7				
12	22 4	2	10 8	2	4 0	12	21 0	12	42 9	2	73 3				
4	23 4	4	10 5	4	4 3	4	21 4	4	43 4	4	73 9				
8	24 0	8	10 2	8	4 6	8	21 8	8	43 9	8	74 6				
16	25 5	16	9 9	16	4 9	16	22 2	16	44 4	16	75 2				
24	26 3	24	9 6	24	5 2	24	22 6	24	44 9	24	75 9				
32	27 3	32	9 3	32	5 5	32	23 0	32	45 5	32	76 5				
40	28 4	40	9 0	40	5 8	40	23 4	40	46 0	40	77 1				
48	29 6	48	8 7	48	6 1	48	23 8	48	46 6	48	77 7				
56	30 8	56	8 4	56	6 4	56	24 2	56	47 2	56	78 3				
64	32 2	64	8 1	64	6 8	64	24 6	64	47 7	64	78 9				
72	33 6	72	7 8	72	7 1	72	25 0	72	48 3	72	79 5				
80	35 0	80	7 5	80	7 4	80	25 4	80	48 8	80	80 1				
88	36 6	88	7 2	88	7 7	88	25 8	88	49 3	88	80 8				
96	38 0	96	6 9	96	8 0	96	26 2	96	49 9	96	81 4				
104	39 7	104	6 6	104	8 3	104	26 6	104	50 5	104	82 0				
112	41 3	112	6 3	112	8 6	112	26 9	112	51 1	112	82 6				
120	43 0	120	6 0	120	8 9	120	27 2	120	51 7	120	83 2				
128	44 8	128	5 7	128	9 2	128	27 6	128	52 2	128	83 8				
136	46 6	136	5 4	136	9 6	136	28 0	136	52 8	136	84 4				
144	48 4	144	5 1	144	10 0	144	28 4	144	53 4	144	85 0				
152	50 2	152	4 8	152	10 3	152	28 8	152	54 0	152	85 6				
160	52 0	160	4 5	160	10 6	160	29 2	160	54 6	160	86 2				
168	53 8	168	4 3	168	10 9	168	29 6	168	55 2	168	86 8				
176	55 6	176	4 0	176	11 2	176	30 0	176	55 8	176	87 3				
184	57 4	184	3 7	184	11 6	184	30 5	184	56 4	184	87 9				
192	59 2	192	3 4	192	11 9	192	31 0	192	57 1	192	88 4				
200	61 0	200	3 2	200	12 3	200	31 4	200	57 7	200	89 0				
208	62 8	208	2 9	208	12 6	208	31 8	208	58 3	208	89 6				
216	64 6	216	2 7	216	12 9	216	32 3	216	58 9	216	90 2				
224	66 4	224	2 4	224	13 2	224	32 8	224	59 6	224	90 8				
232	68 2	232	2 1	232	13 6	232	33 2	232	60 2	232	91 4				
240	70 0	240	1 8	240	14 0	240	33 7	240	60 9	240	91 9				
248	71 8	248	1 5	248	14 4	248	34 2	248	61 6	248	92 4				
256	73 6	256	1 2	256	14 8	256	34 6	256	62 3	256	92 9				
264	75 4	264	9 9	264	15 1	264	35 1	264	62 9	264	93 5				
272	77 2	272	9 6	272	15 5	272	35 6	272	63 6	272	94 0				
280	79 0	280	9 3	280	15 8	280	35 9	280	64 3	280	94 6				
288	80 8	288	9 0	288	16 1	288	36 4	288	64 9	288	95 0				
296	82 6	296	8 7	296	16 5	296	36 9	296	65 6	296	95 5				
304	84 4	304	8 4	304	16 9	304	37 4	304	66 2	304	96 0				
312	86 2	312	8 1	312	17 3	312	37 9	312	66 9	312	96 5				
320	88 0	320	7 8	320	17 6	320	38 4	320	67 5	320	97 0				
328	89 8	328	7 5	328	17 9	328	38 9	328	68 1	328	97 5				
336	91 6	336	7 2	336	18 3	336	39 3	336	68 8	336	98 1				
344	93 4	344	6 9	344	18 7	344	39 8	344	69 5	344	98 6				
352	95 2	352	6 6	352	19 1	352	40 3	352	70 1	352	99 1				
360	97 0	360	6 3	360	19 5	360	40 8	360	70 8	360	99 6				
368	98 8	368	6 0	368	20 2	368	41 3	368	71 5	368					
376	100 6	376	5 7	376	20 6	376	41 8	376	72 1	376					
384		384	5 4	384		384	42 4	384	72 7	384					

## GLASS HYDROMETER.

A Temperature 67° F.

Dips on Stem A	Per cent over Proof	Dips on Stem A	Per cent over Proof	Dips on Stem	Per cent over Proof	Dips on Stem	Per cent over Proof	Dips on Stem	Per cent over Proof	Dips on Stem	Per cent over Proof	Dips on Stem	Per cent over Proof
0		10	72 0	0	63 3	10	56 9	20	47 3	30	33 9		
2		2	71 9	2	63 2	2	56 7	2	47 1	2	33 7		
4		4	71 8	4	63 0	4	56 5	4	46 9	4	33 5		
6		6	71 6	6	64 9	6	56 3	6	46 7	6	33 3		
8		8	71 5	8	64 7	8	56 1	8	46 5	8	33 1		
1		11	71 4	1	64 6	11	55 9	21	46 3	31	34 8		
2		2	71 3	2	64 4	2	55 8	2	46 0	2	34 6		
4		4	71 1	4	64 3	4	55 6	4	45 8	4	34 4		
6		6	71 0	6	64 1	6	55 4	6	45 6	6	34 1		
8		8	70 9	8	64 0	8	55 2	8	45 4	8	33 9		
12		12	70 7	12	63 8	12	55 0	22	45 1	32	33 7		
2		2	70 6	2	63 7	2	54 8	2	44 9	2	33 5		
4		4	70 5	4	63 5	4	54 7	4	44 7	4	33 2		
6		6	70 3	6	63 3	6	54 5	6	44 5	6	33 0		
8		8	70 2	8	63 2	8	54 3	8	44 3	8	32 7		
3		13	70 1	3	63 0	13	54 1	23	44 1	33	32 5		
2		2	69 9	2	62 9	2	53 9	2	43 8	2	32 3		
4		4	69 8	4	62 7	4	53 7	4	43 6	4	32 1		
6		6	69 7	6	62 5	6	53 5	6	43 3	6	31 8		
8		8	69 5	8	62 3	8	53 3	8	43 1	8	31 6		
4		14	69 4	4	62 1	14	53 2	24	42 8	34	31 4		
2		2	69 3	2	62 0	2	53 0	2	42 6	2	31 1		
4		4	69 1	4	61 8	4	52 8	4	42 3	4	30 9		
6		6	69 0	6	61 6	6	52 7	6	42 1	6	30 7		
8		8	68 9	8	61 4	8	52 5	8	41 9	8	30 5		
5	75 2	15	68 8	5	61 3	15	52 3	25	41 6	35	30 2		
2	75 1	2	68 6	2	61 1	2	52 1	2	41 4	2	29 9		
4	75 0	4	68 5	4	60 9	4	51 9	4	41 2	4	29 7		
6	74 9	6	68 4	6	60 7	6	51 7	6	40 9	6	29 4		
8	71 8	8	68 2	8	60 6	8	51 5	8	40 7	8	29 2		
6	74 7	16	68 1	6	60 4	16	51 3	26	40 4	36	28 9		
2	74 5	2	68 0	2	60 3	2	51 1	2	40 2	2	28 7		
4	74 4	4	67 9	4	60 1	4	50 9	4	40 0	4	28 5		
6	74 2	6	67 7	6	59 9	6	50 7	6	39 8	6	28 2		
8	74 1	8	67 6	8	59 7	8	50 5	8	39 6	8	28 0		
7	74 0	17	67 5	7	59 5	17	50 3	27	39 4	37	27 7		
2	73 8	2	67 3	2	59 4	2	50 1	2	39 2	2	27 5		
4	73 7	4	67 2	4	59 2	4	49 9	4	38 9	4	27 3		
6	73 6	6	67 1	6	59 0	6	49 7	6	38 6	6	27 0		
8	73 4	8	66 9	8	58 8	8	49 5	8	38 4	8	26 8		
8	73 3	18	66 8	8	58 7	18	49 3	28	38 2	38	26 6		
2	73 2	2	66 7	2	58 5	2	49 1	2	37 9	2	26 3		
4	73 1	4	66 5	4	58 3	4	48 9	4	37 7	4	26 1		
6	72 9	6	66 4	6	58 1	6	48 7	6	37 5	6	25 9		
8	72 8	8	66 2	8	57 9	8	48 5	8	37 3	8	25 6		
9	72 7	19	66 1	9	57 8	19	48 3	29	37 0	39	25 4		
2	72 5	2	65 9	2	57 6	2	48 1	2	36 8	2	25 2		
4	72 4	4	65 8	4	57 4	4	47 9	4	36 6	4	24 9		
6	72 3	6	65 7	6	57 3	6	47 7	6	36 4	6	24 6		
8	72 2	8	65 5	8	57 1	8	47 5	8	36 1	8	24 4		
10	72 0	20	65 3	10	56 9	20	47 3	30	35 9	40	24 1		

Temperature 67° F

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**A**      Temperature 68° F.

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## GLASS HYDROMETER.

Temperature 68° F.

Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof
40	23 7	50	10 4	60	4 3	70	21 4	80	43 2	90	73 2		
2	23 5	12	10 1	2	4 6	2	21 8	2	43 7	12	73 8		
4	23 2	4	9 8	4	4 9	4	22 2	4	44 2	4	74 4		
6	22 9	6	9 5	6	5 2	6	22 6	6	44 7	6	75 1		
8	22 7	8	9 2	8	5 5	8	23 0	8	45 2	8	75 7		
41	22 4	51	8 9	61	5 8	71	23 4	81	45 7	91	76 3		
2	22 1	2	8 6	2	6 1	2	23 8	2	46 2	2	76 9		
4	21 8	4	8 3	4	6 4	4	24 2	4	46 8	4	77 5		
6	21 6	6	8 0	6	6 7	6	24 6	6	47 3	6	78 1		
8	21 3	8	7 7	8	7 1	8	25 0	8	47 9	8	78 7		
42	21 0	52	7 4	62	7 4	72	25 4	82	48 4	92	79 3		
2	20 7	2	7 1	2	7 7	2	25 8	2	49 0	2	79 9		
4	20 5	4	6 9	4	8 0	4	26 1	4	49 6	4	80 5		
6	20 3	6	6 6	6	8 3	6	26 5	6	50 1	6	81 1		
8	20 0	8	6 3	8	8 7	8	26 9	8	50 7	8	81 7		
43	19 8	53	6 0	63	9 0	73	27 2	83	51 2	93	82 3		
2	19 6	2	5 7	2	9 3	2	27 6	2	51 8	2	82 9		
4	19 3	4	5 4	4	9 6	4	27 9	4	52 4	4	83 5		
6	19 1	6	5 1	6	9 9	6	28 3	6	53 0	6	84 1		
8	18 8	8	4 8	8	10 3	8	28 7	8	53 6	8	84 6		
44	18 5	54	4 5	64	10 6	74	29 1	84	54 2	94	85 2		
2	18 2	2	4 2	2	10 9	2	29 6	2	54 8	2	85 8		
4	18 0	4	3 9	4	11 3	4	30 0	4	55 4	4	86 4		
6	17 7	6	3 7	6	11 6	6	30 4	6	56 0	6	87 0		
8	17 5	8	3 4	8	11 9	8	30 8	8	56 6	8	87 5		
45	17 2	55	3 1	65	12 3	75	31 3	85	57 2	95	88 1		
2	17 0	2	2 8	2	12 6	2	31 7	2	57 8	2	88 6		
4	16 7	4	2 5	4	12 9	4	32 1	4	58 4	4	89 2		
6	16 4	6	2 2	6	13 2	6	32 5	6	59 0	6	89 8		
8	16 2	8	2 0	8	13 6	8	33 0	8	59 6	8	90 4		
46	15 9	56	1 7	66	13 9	76	33 5	86	60 3	96	91 0		
2	15 6	2	1 4	2	14 3	2	33 9	2	60 9	2	91 6		
4	15 4	4	1 1	4	14 7	4	34 4	4	61 5	4	92 1		
6	15 1	6	0 8	6	15 1	6	34 9	6	62 2	6	92 6		
8	14 9	8	0 5	8	15 5	8	35 3	8	62 8	8	93 1		
47	14 6	57	0 2	67	15 8	77	35 7	87	63 5	97	93 7		
2	14 4	2	0 1	2	16 2	2	36 2	2	64 1	2	94 2		
4	14 1	4	0 4	4	16 6	4	36 7	4	64 8	4	94 7		
6	13 8	6	0 7	6	16 9	6	37 2	6	65 4	6	95 2		
8	13 6	8	1 0	8	17 3	8	37 7	8	66 1	8	95 7		
48	13 3	58	1 3	68	17 6	78	38 2	88	66 7	98	96 2		
2	13 0	2	1 6	2	18 0	2	38 7	2	67 3	2	96 7		
4	12 7	4	1 9	4	18 4	4	39 2	4	68 0	4	97 2		
6	12 4	6	2 2	6	18 7	6	39 6	6	68 6	6	97 7		
8	12 2	8	2 5	8	19 1	8	40 1	8	69 3	8	98 3		
49	11 9	59	2 8	69	19 5	79	40 6	89	70 0	99	98 8		
2	11 6	2	3 1	2	19 9	2	41 1	2	70 6	2	99 3		
4	11 3	4	3 4	4	20 3	4	41 6	4	71 3	4	99 8		
6	11 0	6	3 7	6	20 6	6	42 2	6	72 0	6			
8	10 7	8	4 0	8	21 0	8	42 7	8	72 6	8			
50	10 4	60	4 3	70	21 4	80	43 2	90	73 2	100			

Temperature 69° F.

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## GLASS HYDROMETER.

Temperature 69° F.

Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof
40	23 3	50	10 0	60	4 6	70	21 9	80	43 6	90	73 5		
2	23 1	2	9 7	2	4 9	2	22 2	2	44 1	2	74 1		
4	22 8	4	9 4	4	5 2	4	22 0	4	44 6	4	74 7		
6	22 5	6	9 1	6	5 5	6	23 0	6	45 1	6	75 4		
8	22 3	8	8 9	8	5 8	8	23 4	8	45 6	8	76 0		
41	22 0	51	8 6	61	6 1	71	23 7	81	46 1	91	76 6		
2	21 7	2	8 3	2	6 4	2	24 1	2	46 6	2	77 2		
4	21 4	4	8 0	4	6 7	4	24 5	4	47 1	4	77 8		
6	21 2	6	7 7	6	7 0	6	24 9	6	47 7	6	78 4		
8	21 0	8	7 4	8	7 4	8	25 3	8	48 2	8	79 0		
42	20 7	52	7 1	62	7 7	72	25 6	82	48 8	92	79 6		
2	20 4	2	6 8	2	8 0	2	26 0	2	49 3	2	80 1		
4	20 2	4	6 6	4	8 3	4	26 4	4	49 9	4	80 7		
6	19 9	6	6 3	6	8 6	6	26 8	6	50 5	6	81 3		
8	19 7	8	6 0	8	9 0	8	27 1	8	51 0	8	81 9		
43	19 5	53	5 7	63	9 3	73	27 5	83	51 6	93	82 5		
2	19 2	2	5 4	2	9 6	2	27 9	2	52 2	2	83 1		
4	18 9	4	5 1	4	9 9	4	28 3	4	52 7	4	83 7		
6	18 7	6	4 8	6	10 2	6	28 7	6	53 3	6	84 3		
8	18 4	8	4 5	8	10 6	8	29 1	8	53 9	8	84 8		
44	18 1	54	4 2	64	10 9	74	29 5	84	54 5	94	85 4		
2	17 9	2	3 9	2	11 2	2	30 0	2	55 1	2	86 0		
4	17 6	4	3 6	4	11 5	4	30 4	4	55 7	4	86 5		
6	17 3	6	3 4	6	11 9	6	30 8	6	56 3	6	87 1		
8	17 1	8	3 1	8	12 2	8	31 2	8	56 9	8	87 6		
45	16 8	55	2 8	65	12 6	75	31 6	85	57 5	95	88 2		
2	16 5	2	2 5	2	12 9	2	32 0	2	58 1	2	88 7		
4	16 3	4	2 2	4	13 3	4	32 5	4	58 8	4	89 3		
6	16 0	6	1 9	6	13 6	6	32 9	6	59 4	6	89 9		
8	15 7	8	1 6	8	14 0	8	33 3	8	60 0	8	90 5		
46	15 5	56	1 3	66	14 4	76	33 8	86	60 7	96	91 1		
2	15 1	2	1 0	2	14 7	2	34 2	2	61 3	2	91 7		
4	14 9	4	0 7	4	15 1	4	34 7	4	61 9	4	92 2		
6	14 7	6	0 4	6	15 5	6	35 2	6	62 6	6	92 7		
8	14 5	8	0 1	8	15 9	8	35 7	8	63 2	8	93 2		
47	14 2	57	0 2	67	16 2	77	36 1	87	63 9	97	93 8		
2	14 0	2	0 5	2	16 6	2	36 6	2	64 5	2	94 3		
4	13 7	4	0 8	4	17 0	4	37 1	4	65 1	4	94 8		
6	13 4	6	1 0	6	17 4	6	37 6	6	65 7	6	95 3		
8	13 2	8	1 3	8	17 7	8	38 1	8	66 4	8	95 8		
48	12 9	58	1 6	68	18 1	78	38 5	88	67 0	98	96 3		
2	12 6	2	1 9	2	18 4	2	39 0	2	67 6	2	96 8		
4	12 3	4	2 2	4	18 8	4	39 5	4	68 3	4	97 3		
6	12 0	6	2 5	6	19 1	6	40 0	6	68 9	6	97 8		
8	11 8	8	2 8	8	19 5	8	40 5	8	69 6	8	98 4		
49	11 5	59	3 1	69	19 9	79	41 0	89	70 3	99	98 9		
2	11 2	2	3 4	2	20 3	2	41 5	2	70 9	2	99 4		
4	10 9	4	3 7	4	20 7	4	42 0	4	71 6	4	99 9		
6	10 6	6	4 0	6	21 1	6	42 6	6	72 3	6			
8	10 3	8	4 3	8	21 5	8	43 1	8	72 9	8			
50	10 0	60	4 6	70	21 9	80	43 6	90	73 5	100			

A Temperature 71° F.

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## GLASS HYDROMETER.

Temperature 71° F.

Dips on Stem	Per cent over Proof	Dips on Stem	Per cent over Proof	Dips on Stem	Per cent under Proof	Dips on Stem	Per cent under Proof	Dips on Stem	Per cent under Proof	Dips on Stem	Per cent under Proof	Dips on Stem	Per cent under Proof	Dips on Stem	Per cent under Proof
40	22 6	50	9 3	60	5 3	70	22 6	80	44 3	90	73 0				
2	22 3	2	9 0	2	5 6	2	22 9	2	44 8	2	74 5				
4	22 0	4	8 9	4	5 9	4	23 2	4	45 2	4	75 1				
6	21 8	6	8 4	6	6 2	6	23 7	6	45 8	6	75 8				
8	21 6	8	8 2	8	6 5	8	24 1	8	46 3	8	76 4				
41	21 3	51	7 9	61	6 8	71	24 5	81	46 8	91	77 0				
2	21 0	2	7 6	2	7 1	2	24 8	2	47 3	2	77 6				
4	20 8	4	7 3	4	7 4	4	25 2	4	47 8	4	78 2				
6	20 5	6	7 0	6	7 7	6	25 6	6	48 4	6	78 8				
8	20 3	8	6 7	8	8 1	8	26 0	8	48 9	8	79 4				
42	20 0	52	6 4	62	8 4	72	26 3	82	49 5	92	80 0				
2	19 8	2	6 1	2	8 7	2	26 7	2	50 0	2	80 5				
4	19 6	4	5 9	4	9 0	4	27 1	4	50 6	4	81 1				
6	19 3	6	5 6	6	9 3	6	27 4	6	51 2	6	81 7				
8	19 1	8	5 3	8	9 7	8	27 8	8	51 7	8	82 3				
43	18 8	53	5 0	63	10 0	73	28 2	83	52 3	93	82 9				
2	18 5	2	4 7	2	10 3	2	28 6	2	52 9	2	83 5				
4	18 3	4	4 4	4	10 6	4	29 0	4	53 5	4	84 1				
6	18 0	6	4 1	6	10 9	6	29 4	6	54 0	6	84 7				
8	17 7	8	3 9	8	11 3	8	29 8	8	54 6	8	85 2				
44	17 5	54	3 6	64	11 6	74	30 2	84	55 2	94	85 8				
2	17 2	2	3 3	2	12 0	2	30 6	2	55 8	2	86 4				
4	16 9	4	3 0	4	12 3	4	31 1	4	56 4	4	86 9				
6	16 7	6	2 7	6	12 7	6	31 5	6	57 0	6	87 5				
8	16 4	8	2 4	8	13 0	8	31 9	8	57 6	8	88 0				
45	16 1	55	2 1	65	13 4	75	32 4	85	58 2	95	88 6				
2	15 8	2	1 8	2	13 7	2	32 8	2	58 8	2	89 1				
4	15 6	4	1 6	4	14 1	4	33 2	4	59 5	4	89 7				
6	15 3	6	1 3	6	14 4	6	33 7	6	60 1	6	90 2				
8	15 1	8	1 0	8	14 8	8	34 1	8	60 7	8	90 8				
46	14 8	56	0 7	66	15 2	76	34 6	86	61 4	96	91 3				
2	14 5	2	0 4	2	15 5	2	35 0	2	62 0	2	91 9				
4	14 3	4	0 1	4	15 9	4	35 5	4	62 6	4	92 4				
6	14 0	6	0 2	6	16 3	6	36 0	6	63 2	6	93 0				
8	13 8	8	0 5	8	16 6	8	36 5	8	63 8	8	93 5				
47	13 5	57	0 8	67	17 0	77	37 0	87	64 5	97	94 0				
2	13 3	2	1 1	2	17 4	2	37 4	2	65 1	2	94 5				
4	13 0	4	1 4	4	17 7	4	37 9	4	65 7	4	95 1				
6	12 7	6	1 7	6	18 1	6	38 4	6	66 3	6	95 6				
8	12 5	8	2 0	8	18 4	8	38 9	8	67 0	8	96 1				
48	12 2	58	2 3	68	18 8	78	39 4	88	67 6	98	96 6				
2	11 9	2	2 6	2	19 2	2	39 8	2	68 2	2	97 1				
4	11 6	4	2 9	4	19 6	4	40 3	4	68 9	4	97 6				
6	11 3	6	3 2	6	19 9	6	40 8	6	69 5	6	98 2				
8	11 0	8	3 5	8	20 3	8	41 3	8	70 1	8	98 7				
49	10 7	59	3 8	69	20 7	79	41 8	89	70 8	99	99 2				
2	10 4	2	4 1	2	21 0	2	42 3	2	71 4	2	99 7				
4	10 2	4	4 4	4	21 4	4	42 8	4	72 0	4					
6	9 9	6	4 7	6	21 8	6	43 3	6	72 6	6					
8	9 6	8	5 0	8	22 2	8	43 8	8	73 2	8					
50	9 3	60	5 3	70	22 6	80	44 3	90	73 8	100					

## GLASS HYDROMETER.

A Temperature 72° F.

Divs on Stem A	Per cent over Proof	Divs on Stem A	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof
0		10	71 1	0	64 3	10	55 6	20	45 8	30	34 4		
2		2	71 0	2	64 1	2	55 4	2	45 6	2	34 2		
4		4	70 9	4	64 0	4	55 2	4	45 4	4	34 0		
6		6	70 7	6	63 8	6	55 1	6	45 2	6	33 7		
8		8	70 6	8	63 7	8	54 9	8	44 9	8	33 5		
1		11	70 5	1	63 5	11	54 7	21	44 7	31	33 3		
2		2	70 3	2	63 3	2	54 5	2	44 5	2	33 0		
4		4	70 2	4	63 2	4	54 3	4	44 3	4	32 8		
6		6	70 1	6	63 0	6	54 1	6	44 1	6	32 6		
8		8	69 9	8	62 8	8	53 9	8	43 9	8	32 4		
2		12	69 8	2	62 7	12	53 8	22	43 6	32	32 1		
2		2	69 7	2	62 5	2	53 6	2	43 4	2	31 9		
4		4	69 5	4	62 3	4	53 4	4	43 1	4	31 7		
6		6	69 4	6	62 1	6	53 2	6	42 9	6	31 5		
8		8	69 3	5	62 0	8	53 0	8	42 6	8	31 2		
3		13	69 1	3	61 8	13	52 8	23	42 4	33	31 0		
2		2	69 0	2	61 6	2	52 7	2	42 1	2	30 8		
4		4	68 9	4	61 4	4	52 5	4	41 9	4	30 5		
6		6	68 8	6	61 2	6	52 3	6	41 6	6	30 3		
8		8	68 6	8	61 0	8	52 1	8	41 4	8	30 1		
4	75 2	14	68 5	4	60 9	14	51 9	24	41 2	34	29 8		
2	75 1	2	68 4	2	60 7	2	51 7	2	41 0	2	29 5		
4	75 0	4	68 2	4	60 5	4	51 5	4	40 7	4	29 3		
6	74 8	6	68 1	6	60 4	6	51 3	6	40 5	6	29 0		
8	74 6	8	68 0	8	60 2	8	51 1	8	40 3	8	28 8		
5	74 4	15	67 9	5	60 0	15	50 9	25	40 1	35	28 5		
2	74 2	2	67 7	2	59 8	2	50 7	2	39 8	2	28 3		
4	74 1	4	67 6	4	59 7	4	50 5	4	39 6	4	28 1		
6	74 0	6	67 5	6	59 5	6	50 3	6	39 4	6	27 8		
8	73 8	8	67 3	8	59 3	8	50 1	8	39 2	8	27 6		
6	73 7	16	67 2	6	59 2	16	49 9	26	38 9	36	27 3		
2	73 6	2	67 1	2	59 0	2	49 7	2	38 7	2	27 1		
4	73 4	4	66 9	4	58 8	4	49 5	4	38 4	4	26 9		
6	73 3	6	66 8	6	58 6	6	49 3	6	38 2	6	26 6		
8	73 2	8	66 7	8	58 5	8	49 1	8	38 0	8	26 4		
7	73 1	17	66 5	7	58 3	17	48 9	27	37 8	37	26 1		
2	72 0	2	66 4	2	58 1	2	48 7	2	37 6	2	25 9		
4	72 8	4	66 2	4	58 0	4	48 5	4	37 3	4	25 7		
6	72 7	6	66 1	6	57 8	6	48 3	6	37 1	6	25 4		
8	72 5	8	66 0	8	57 6	8	48 1	8	36 9	8	25 2		
8	72 4	18	65 8	8	57 4	18	47 9	28	36 6	38	24 9		
2	72 3	2	65 6	2	57 2	2	47 7	2	36 4	2	24 7		
4	72 2	4	65 5	4	57 1	4	47 5	4	36 2	4	24 4		
6	72 0	6	65 4	6	56 9	6	47 3	6	36 0	6	24 2		
8	71 9	8	65 2	8	56 7	8	47 1	8	35 8	8	23 9		
9	71 8	19	65 0	9	56 5	19	46 8	29	35 5	39	23 7		
2	71 6	2	64 9	2	56 3	2	46 6	2	35 3	2	23 4		
4	71 5	4	64 7	4	56 1	4	46 4	4	35 1	4	23 1		
6	71 4	6	64 6	6	55 9	6	46 2	6	34 9	6	22 8		
8	71 3	8	64 4	8	55 8	8	46 0	8	34 7	8	22 6		
10	71 1	20	64 3	10	55 6	20	45 8	30	34 4	40	22 3		

## GLASS HYDROMETER.

Temperature 72° F.

Days on Stem	Per cent over Proof	Days on Stem	Per cent over Proof	Days on Stem	Per cent under Proof	Days on Stem	Per cent under Proof	Days on Stem	Per cent under Proof	Days on Stem	Per cent under Proof	Days on Stem	Per cent under Proof
40	22 3	50	8 9	60	5 6	70	23 9	80	44 7	90	74 2		
2	22 1	12	8 6	2	5 9	12	23 12	12	45 2	12	74 8		
4	22 1	4	8 3	4	6 2	4	23 6	4	45 7	4	75 4		
6	22 1	6	8 0	6	6 5	6	24 0	6	46 12	6	76 0		
8	21 3	8	7 8	8	6 8	8	24 4	8	46 7	8	76 6		
41	21 1	51	7 5	61	7 1	71	24 8	81	47 2	91	77 2		
2	20 8	12	7 12	2	7 4	2	25 1	2	47 7	2	77 8		
4	20 6	4	6 9	4	7 8	4	25 5	4	48 2	4	78 4		
6	20 3	6	6 6	6	8 1	6	25 9	6	48 8	6	79 0		
8	20 1	8	6 3	8	8 4	8	26 3	8	49 3	8	79 6		
42	19 8	52	6 0	62	8 7	72	26 6	82	49 9	92	80 2		
2	19 6	12	5 8	2	9 1	2	27 0	2	50 4	2	80 7		
4	19 3	4	5 5	4	9 4	4	27 4	4	51 0	4	81 3		
6	19 1	6	5 2	6	9 7	6	27 7	6	51 6	6	81 9		
8	18 8	8	4 9	8	10 1	8	28 1	8	52 1	8	82 5		
43	18 5	53	4 6	63	10 4	73	28 5	83	52 7	93	83 1		
2	18 2	2	4 3	2	10 7	2	28 8	2	53 3	2	83 7		
4	17 9	4	4 1	4	11 0	4	29 3	4	53 9	4	84 3		
6	17 7	6	3 8	6	11 3	6	29 7	6	54 4	6	84 9		
8	17 4	8	3 6	8	11 7	8	30 1	8	55 0	8	85 4		
44	17 1	54	3 3	64	12 0	74	30 5	84	55 6	94	86 0		
2	16 8	2	2 9	2	12 4	2	30 9	2	56 2	2	86 6		
4	16 6	4	2 7	4	12 7	4	31 4	4	56 8	4	87 1		
6	16 3	6	2 4	6	13 0	6	31 8	6	57 4	6	87 7		
8	16 1	8	2 1	8	13 3	8	32 2	8	58 0	8	88 2		
45	15 8	55	1 8	65	13 7	75	32 7	85	58 6	95	88 8		
2	15 5	2	1 5	2	14 1	2	33 1	2	59 2	2	89 3		
4	15 3	4	1 3	4	14 5	4	33 6	4	59 9	4	89 9		
6	15 0	6	1 0	6	14 8	6	34 1	6	60 5	6	90 4		
8	14 8	8	0 7	8	15 2	8	34 5	8	61 1	8	91 0		
46	14 5	56	0 4	66	15 6	76	35 0	86	61 7	96	91 5		
2	14 2	2	0 1	2	15 9	2	35 4	2	62 3	2	92 1		
4	14 0	4	0 2	4	16 3	4	35 9	4	62 9	4	92 6		
6	13 7	6	0 5	6	16 7	6	36 4	6	63 6	6	93 1		
8	13 5	8	0 8	8	17 0	8	36 9	8	64 2	8	93 7		
47	13 2	57	1 1	67	17 4	77	37 4	87	64 8	97	94 2		
2	12 9	2	1 4	2	17 8	2	37 8	2	65 4	2	94 7		
4	12 6	4	1 7	4	18 1	4	38 3	4	66 0	4	95 2		
6	12 3	6	2 0	6	18 5	6	38 8	6	66 6	6	95 7		
8	12 1	8	2 3	8	18 8	8	39 3	8	67 3	8	96 2		
48	11 8	58	2 6	68	19 2	78	39 8	88	67 9	98	96 8		
2	11 5	2	2 9	2	19 6	2	40 2	2	68 5	2	97 3		
4	11 2	4	3 2	4	20 0	4	40 7	4	69 2	4	97 8		
6	10 9	6	3 5	6	20 3	6	41 2	6	69 8	6	98 3		
8	10 6	8	3 8	8	20 7	8	41 7	8	70 4	8	98 8		
49	10 3	59	4 1	69	21 1	79	42 2	89	71 1	99	99 3		
2	10 0	2	4 4	2	21 4	2	42 7	2	71 7	2	99 8		
4	9 8	4	4 7	4	21 8	4	43 2	4	72 3	4			
6	9 5	6	5 0	6	22 2	6	43 7	6	73 0	6			
8	9 2	8	5 3	8	22 6	8	44 2	8	73 6	8			
50	8 9	60	5 6	70	22 9	80	44 7	90	74 2	100			

## GLASS HYDROMETER.

A

Temperature 73° F.

Days on Stem A	Per cent over Proof	Days on Stem A	Per cent over Proof	Days on Stem	Per cent over Proof	Days on Stem	Per cent over Proof	Days on Stem	Per cent over Proof	Days on Stem	Per cent over Proof
0		10	70 9	0	64 1	10	55 3	20	45 5	30	34 1
12		12	70 8	12	63 9	12	55 1	22	45 3	22	33 9
4		4	70 7	4	63 7	4	54 9	4	45 1	4	33 7
6		6	70 5	6	63 6	6	54 8	6	44 9	6	33 5
8		8	70 4	8	63 4	8	54 6	8	44 6	8	33 2
1		1	70 3	1	63 3	1	54 4	21	44 4	31	33 0
12		12	70 1	2	63 1	2	54 2	2	44 2	2	32 8
4		4	70 0	4	62 9	4	54 0	4	44 0	4	32 6
6		6	69 9	6	62 8	6	53 9	6	43 8	6	32 4
8		8	69 7	8	62 6	8	53 7	8	43 5	8	32 2
2		2	69 6	2	62 4	12	53 5	22	43 2	32	31 9
2		2	69 5	2	62 3	2	53 3	2	43 0	2	31 7
4		4	69 3	4	62 1	4	53 1	4	42 8	4	31 5
6		6	69 2	6	61 9	6	52 9	6	42 6	6	31 2
8		8	69 1	8	61 7	8	52 7	8	42 3	8	31 0
3		3	68 9	3	61 5	13	52 6	23	42 0	33	30 8
2		2	68 8	2	61 3	2	52 4	2	41 8	2	30 5
4	75 2	4	68 7	4	61 2	4	52 2	4	41 6	4	30 3
6	75 1	6	68 6	6	61 0	6	52 0	6	41 3	6	30 1
8	75 0	8	68 4	8	60 8	8	51 8	8	41 1	8	29 8
4		4	68 3	4	60 6	14	51 6	24	40 8	34	29 6
2	74 7	2	68 2	2	60 5	2	51 4	2	40 6	2	29 3
4	74 6	4	68 1	4	60 3	4	51 2	4	40 4	4	29 1
6	74 4	6	67 9	6	60 1	6	51 0	6	40 2	6	28 8
8	74 3	8	67 8	8	59 9	8	50 8	8	40 0	8	28 6
5		5	67 7	5	59 8	15	50 6	25	39 8	35	28 3
2	74 1	2	67 5	2	59 6	2	50 4	2	39 5	2	28 1
4	73 9	4	67 4	4	59 4	4	50 2	4	39 3	4	27 9
6	73 8	6	67 3	6	59 3	6	50 0	6	39 1	6	27 6
8	73 6	8	67 1	8	59 1	8	49 8	8	38 9	8	27 4
6		6	67 0	6	59 0	10	49 6	26	38 6	36	27 1
2	73 4	2	66 9	2	58 8	2	49 4	2	38 4	2	26 9
4	73 2	4	66 7	4	58 6	4	49 2	4	38 1	4	26 6
6	73 1	6	66 6	6	58 4	6	49 0	6	37 9	6	26 4
8	73 0	8	66 5	8	58 2	8	48 8	8	37 7	8	26 1
7		7	66 3	7	58 1	17	48 6	27	37 5	37	25 9
2	72 7	2	66 2	2	57 9	2	48 4	2	37 3	2	25 6
4	72 6	4	66 1	4	57 7	4	48 2	4	37 0	4	25 4
6	72 5	6	65 9	6	57 6	6	48 0	6	36 8	6	25 1
8	72 4	8	65 8	8	57 4	8	47 8	8	36 6	8	24 9
8		8	65 6	8	57 2	18	47 6	28	36 3	38	24 6
2	72 2	2	65 4	2	57 0	2	47 4	2	36 1	2	24 3
4	72 0	4	65 3	4	56 8	4	47 2	4	35 9	4	24 1
6	71 8	6	65 1	6	56 6	6	47 0	6	35 7	6	23 8
8	71 7	8	65 0	8	56 4	8	46 8	8	35 5	8	23 6
2		2	64 8	2	56 3	10	46 6	20	35 2	30	23 3
2	71 4	2	64 7	2	56 1	2	46 4	2	35 0	2	23 0
4	71 3	4	64 5	4	55 9	4	46 1	4	34 8	4	22 8
6	71 2	6	64 4	6	55 7	6	45 9	6	34 6	6	22 5
8	71 1	8	64 2	8	55 5	8	45 7	8	34 3	8	22 3
10		10	64 1	10	55 3	20	45 5	30	34 1	40	22 0

## GLASS HYDROMETER.

Temperature 73° F.

Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof
40	22 0	50	8 6	60	6 0	70	23 3	80	45 0	90	74 4				
2	21 8	2	8 3	2	6 3	2	23 0	2	45 5	2	75 0				
4	21 5	4	8 0	4	6 6	4	24 0	4	46 0	4	75 6				
6	21 3	6	7 7	6	6 9	6	24 4	6	46 5	6	76 2				
8	21 0	8	7 4	8	7 2	8	24 7	8	47 0	8	76 8				
41	20 8	51	7 1	61	7 5	71	25 1	81	47 5	91	77 4				
2	20 5	2	6 9	2	7 8	2	25 4	2	48 0	2	78 0				
4	20 3	4	6 5	4	8 2	4	25 8	4	48 6	4	78 6				
6	20 0	6	6 3	6	8 5	6	26 2	6	49 1	6	79 2				
8	19 8	8	6 0	8	8 8	8	26 6	8	49 7	8	79 8				
42	19 5	52	5 7	62	9 1	72	26 9	82	50 2	92	80 4				
2	19 2	2	5 4	2	9 5	2	27 3	2	50 7	2	80 9				
4	19 0	4	5 2	4	9 8	4	27 7	4	51 2	4	81 5				
6	18 7	6	4 9	6	10 1	6	28 0	6	51 9	6	82 1				
8	18 5	8	4 6	8	10 5	8	28 4	8	52 4	8	82 7				
43	18 2	53	4 3	63	10 8	73	28 8	83	53 0	93	83 3				
2	17 9	2	4 0	2	11 1	2	29 2	2	53 6	2	83 9				
4	17 6	4	3 7	4	11 4	4	29 6	4	54 2	4	84 5				
6	17 4	6	3 4	6	11 7	6	30 0	6	54 7	6	85 1				
8	17 1	8	3 2	8	12 1	8	30 4	8	55 3	8	85 6				
44	16 8	54	2 9	64	12 4	74	30 8	84	55 9	94	86 2				
2	16 6	2	2 6	2	12 8	2	31 2	2	56 5	2	86 8				
4	16 3	4	2 3	4	13 1	4	31 7	4	57 1	4	87 3				
6	16 0	6	2 0	6	13 5	6	32 1	6	57 7	6	87 9				
8	15 8	8	1 7	8	13 8	8	32 6	8	58 3	8	88 4				
45	15 5	55	1 4	65	14 2	75	33 1	85	58 9	95	89 0				
2	15 2	2	1 1	2	14 5	2	33 5	2	59 5	2	89 5				
4	15 0	4	0 9	4	14 9	4	33 9	4	60 1	4	90 1				
6	14 7	6	0 6	6	15 2	6	34 4	6	60 7	6	90 6				
8	14 5	8	0 3	8	15 6	8	34 9	8	61 3	8	91 1				
46	14 2	56		66	15 9	76	35 3	86	62 0	96	91 7				
2	13 9	2	0 3	2	16 3	2	35 8	2	62 6	2	92 2				
4	13 7	4	0 0	4	16 7	4	36 3	4	63 2	4	92 7				
6	13 4	6	0 9	6	17 1	6	36 8	6	63 8	6	93 3				
8	13 1	8	1 2	8	17 4	8	37 3	8	64 4	8	93 8				
47	12 8	57	1 5	67	17 8	77	37 8	87	65 0	97	94 3				
2	12 5	2	1 8	2	18 2	2	38 2	2	65 7	2	94 8				
4	12 3	4	2 1	4	18 5	4	38 7	4	66 3	4	95 4				
6	12 0	6	2 4	6	18 8	6	39 2	6	66 9	6	95 9				
8	11 8	8	2 7	8	19 2	8	39 7	8	67 6	8	96 4				
48	11 5	58	3 0	68	19 6	78	40 2	88	68 2	98	96 9				
2	11 2	2	3 3	2	20 0	2	40 6	2	68 8	2	97 4				
4	10 9	4	3 6	4	20 4	4	41 1	4	69 5	4	97 9				
6	10 6	6	3 9	6	20 7	6	41 6	6	70 1	6	98 5				
8	10 3	8	4 2	8	21 1	8	42 1	8	70 7	8	99 0				
49	10 0	59	4 5	69	21 5	79	42 6	89	71 4	99	99 5				
2	9 7	2	4 8	2	21 9	2	43 1	2	72 0	2	100 0				
4	9 4	4	5 1	4	22 2	4	43 5	4	72 6	4					
6	9 2	6	5 4	6	22 6	6	44 0	6	73 2	6					
8	8 9	8	5 7	8	23 0	8	44 5	8	73 8	8					
50	8 6	60	6 0	70	23 3	80	45 0	90	74 4	100					

## GLASS HYDROMETER.

A

Temperature 74° F

Divs on Stem A	Per cent over Proof	Divs on Stem A	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof
0		10	70 7	0	63 8	10	55 0	20	45 2	30	33 8				
2		12	70 6	2	63 7	12	54 9	22	45 0	32	33 6				
4		14	70 5	4	63 5	14	54 7	24	44 8	34	33 4				
6		16	70 3	6	63 4	16	54 5	26	44 6	36	33 1				
8		18	70 2	8	63 2	18	54 3	28	44 4	38	32 9				
10		20	70 1	10	63 0	20	54 1	30	44 2	40	32 7				
12		22	69 9	12	62 9	22	54 0	32	43 9	42	32 4				
14		24	69 8	14	62 7	24	53 8	34	43 7	44	32 2				
16		26	69 7	16	62 5	26	53 6	36	43 4	46	31 9				
18		28	69 5	18	62 3	28	53 4	38	43 2	48	31 7				
20		30	69 4	20	62 2	30	53 2	40	42 9	50	31 5				
22		32	69 3	22	62 0	32	53 1	42	42 7	52	31 3				
24		34	69 1	24	61 8	34	52 9	44	42 4	54	31 0				
26		36	69 0	26	61 6	36	52 7	46	42 2	56	30 8				
28		38	68 9	28	61 4	38	52 5	48	42 0	58	30 6				
30		40	68 7	30	61 3	40	52 3	50	41 8	60	30 4				
32	75 2	42	68 6	32	61 1	42	52 1	52	41 5	62	30 1				
34	75 1	44	68 5	34	60 9	44	51 9	54	41 2	64	29 9				
36	75 0	46	68 4	36	60 7	46	51 7	56	41 0	66	29 6				
38	74 9	48	68 2	38	60 6	48	51 5	58	40 8	68	29 4				
40	74 8	50	68 1	40	60 4	50	51 3	60	40 6	70	29 1				
42	74 6	52	68 0	42	60 2	52	51 1	62	40 3	72	28 9				
44	74 5	54	67 9	44	60 0	54	50 9	64	40 1	74	28 6				
46	74 4	56	67 7	46	59 8	56	50 7	66	39 9	76	28 4				
48	74 2	58	67 6	48	59 6	58	50 5	68	39 7	78	28 2				
50	74 1	60	67 5	50	59 5	60	50 3	70	39 5	80	27 9				
52	74 0	62	67 3	52	59 4	62	50 1	72	39 2	82	27 6				
54	73 9	64	67 2	54	59 2	64	49 9	74	39 0	84	27 4				
56	73 7	66	67 1	56	59 0	66	49 7	76	38 8	86	27 2				
58	73 6	68	66 9	58	58 8	68	49 5	78	38 5	88	27 0				
60	73 4	70	66 8	60	58 7	70	49 3	80	38 3	90	26 7				
62	73 3	72	66 7	62	58 5	72	49 1	82	38 1	92	26 4				
64	73 2	74	66 5	64	58 4	74	48 9	84	37 8	94	26 2				
66	73 0	76	66 4	66	58 2	76	48 7	86	37 6	96	25 9				
68	72 9	78	66 3	68	58 0	78	48 5	88	37 4		25 7				
70	72 8	80	66 1	70	57 8	80	48 3	90	37 2		25 4				
72	72 7	82	66 0	72	57 6	82	48 1	92	37 0		25 2				
74	72 5	84	65 9	74	57 4	84	47 9	94	36 7		25 0				
76	72 4	86	65 7	76	57 3	86	47 7	96	36 5		24 7				
78	72 3	88	65 6	78	57 1	88	47 5		36 3		24 5				
80	72 2	90	65 4	80	56 9	90	47 3		36 0		24 2				
82	72 0	92	65 3	82	56 8		47 1		35 8		24 0				
84	71 9	94	65 1	84	56 6		46 9		35 6		23 8				
86	71 8	96	65 0	86	56 4		46 7		35 4		23 5				
88	71 6		64 8	88	56 2		46 5		35 2		23 3				
90	71 4		64 6	90	56 0		46 3		34 9		23 0				
92	71 2		64 5	92	55 8		46 1		34 7		22 8				
94	71 1		64 3	94	55 6		45 8		34 5		22 5				
96	71 0		64 1	96	55 4		45 6		34 3		22 2				
98	70 9		64 0	98	55 2		45 4		34 0		22 0				
100	70 7		63 8	100	55 0		45 2		33 8		21 7				

## GLASS HYDROMETER.

Temperature 74° F.

Days on Stem		Per cent over Proof		Days on Stem		Per cent over Proof		Days on Stem		Per cent under Proof		Days on Stem		Per cent under Proof		Days on Stem		Per cent under Proof		Days on Stem		Per cent under Proof	
40	21 7	50	8 2	60	6 3	70	23 6	80	45 4	90	74 7	40	21 7	50	8 2	60	6 3	70	23 6	80	45 4	90	74 7
12	21 5	12	7 9	12	6 6	12	23 9	12	45 9	12	75 3	12	21 5	12	7 6	12	6 9	12	24 3	12	46 4	12	75 0
4	21 3	4	7 3	4	6 9	4	24 3	4	46 4	4	76 5	4	21 3	4	7 0	4	7 5	4	24 6	4	46 9	4	76 5
6	21 0	6	7 0	6	7 2	6	24 6	6	47 4	6	77 1	6	21 0	6	6 6	6	7 8	6	25 0	6	47 9	6	77 1
8	20 7	8	6 6	8	7 8	8	25 4	8	47 9	8	77 7	8	20 7	8	6 5	8	8 1	8	25 7	8	48 4	8	78 2
41	20 5	51	6 5	61	8 1	71	25 7	81	48 4	91	78 2	41	20 5	51	6 2	61	8 5	71	26 1	81	49 0	91	78 8
2	20 2	2	6 2	2	8 8	2	26 5	2	49 5	2	79 4	2	20 2	2	5 9	2	9 1	2	26 8	2	50 1	2	79 4
4	20 0	4	5 9	4	9 1	4	26 8	4	50 1	4	80 0	4	20 0	4	5 6	4	9 4	4	27 2	4	50 7	4	80 6
6	19 7	6	5 6	6	9 4	6	27 2	6	50 7	6	80 6	6	19 7	6	5 3	6	9 8	6	27 6	6	51 2	6	81 1
8	19 5	8	5 3	8	10 1	8	28 0	8	51 8	8	81 7	8	19 5	8	5 1	8	10 4	8	28 3	8	52 4	8	82 3
42	19 2	42	5 1	42	10 4	42	28 3	42	52 9	42	82 9	42	19 2	42	4 8	42	10 8	42	28 7	42	53 5	42	83 5
2	18 9	2	4 8	2	11 1	2	29 5	2	54 1	2	84 1	2	18 9	2	4 5	2	11 4	2	29 9	2	54 7	2	84 7
4	18 7	4	4 5	4	11 8	4	30 9	4	55 2	4	85 3	4	18 7	4	4 2	4	12 1	4	31 5	4	55 8	4	85 8
6	18 4	6	4 2	6	12 5	6	31 1	6	56 4	6	86 4	6	18 4	6	4 0	6	12 8	6	32 4	6	57 0	6	87 0
8	18 1	8	3 9	8	13 2	8	32 9	8	58 8	8	88 1	8	18 1	8	3 8	8	13 5	8	33 8	8	59 2	8	89 2
43	17 9	43	3 6	43	14 6	43	33 4	43	59 4	43	89 2	43	17 9	43	3 6	43	14 9	43	34 3	43	60 0	43	90 0
2	17 6	2	3 4	2	15 2	2	34 8	2	60 6	2	90 3	2	17 6	2	3 3	2	15 6	2	35 7	2	61 2	2	90 8
4	17 3	4	3 1	4	15 5	4	35 3	4	61 8	4	91 3	4	17 3	4	3 0	4	16 0	4	36 2	4	62 4	4	91 9
6	17 1	6	2 8	6	16 3	6	36 7	6	63 0	6	92 4	6	17 1	6	2 8	6	16 3	6	37 2	6	63 6	6	92 9
8	16 8	8	2 5	8	16 7	8	37 7	8	64 2	8	93 4	8	16 8	8	2 5	8	16 7	8	38 2	8	64 7	8	94 0
44	16 5	44	2 2	44	17 8	44	38 2	44	65 3	44	94 5	44	16 5	44	2 2	44	17 8	44	38 6	44	66 0	44	95 0
2	16 3	2	2 0	2	18 2	2	39 1	2	66 6	2	95 5	2	16 3	2	1 9	2	18 5	2	39 6	2	67 2	2	96 0
4	16 0	4	1 7	4	18 9	4	40 1	4	67 9	4	96 5	4	16 0	4	1 6	4	18 9	4	40 6	4	68 5	4	97 1
6	15 7	6	1 4	6	19 6	6	41 0	6	69 1	6	97 6	6	15 7	6	1 4	6	19 6	6	41 5	6	69 8	6	98 1
8	15 5	8	1 1	8	20 0	8	42 5	8	70 4	8	99 1	8	15 5	8	1 1	8	20 4	8	43 0	8	71 0	8	99 6
45	15 2	45	0 8	45	21 5	45	43 0	45	71 7	45	100 0	45	15 2	45	0 8	45	21 8	45	43 5	45	72 3	45	100 0
2	14 9	2	0 6	2	22 2	2	43 5	2	72 9	2		2	14 9	2	0 6	2	22 5	2	44 4	2	73 5	2	
4	14 7	4	0 3	4	22 9	4	44 9	4	74 1	4		4	14 7	4	0 3	4	23 2	4	45 4	4	74 7	4	
6	14 4	6	0 3	6	23 6	6		6		6		6	14 4	6	0 3	6	23 6	6		6		6	
8	14 2	8	0 3	8		8		8		8		8	14 2	8	0 3	8		8		8		8	
46	13 9	46	0 3	46		46		46		46		46	13 9	46	0 3	46		46		46		46	
2	13 6	2	0 6	2		2		2		2		2	13 6	2	0 6	2		2		2		2	
4	13 4	4	0 9	4		4		4		4		4	13 4	4	0 9	4		4		4		4	
6	13 1	6	1 2	6		6		6		6		6	13 1	6	1 2	6		6		6		6	
8	12 8	8	1 5	8		8		8		8		8	12 8	8	1 5	8		8		8		8	
47	12 5	47	1 8	47		47		47		47		47	12 5	47	1 8	47		47		47		47	
2	12 2	2	2 1	2		2		2		2		2	12 2	2	2 1	2		2		2		2	
4	11 9	4	2 4	4		4		4		4		4	11 9	4	2 4	4		4		4		4	
6	11 6	6	2 7	6		6		6		6		6	11 6	6	2 7	6		6		6		6	
8	11 4	8	3 0	8		8		8		8		8	11 4	8	3 0	8		8		8		8	
48	11 1	48	3 3	48		48		48		48		48	11 1	48	3 3	48		48		48		48	
2	10 8	2	3 6	2		2		2		2		2	10 8	2	3 6	2		2		2		2	
4	10 5	4	3 9	4		4		4		4		4	10 5	4	3 9	4		4		4		4	
6	10 2	6	4 2	6		6		6		6		6	10 2	6	4 2	6		6		6		6	
8	9 9	8	4 5	8		8		8		8		8	9 9	8	4 5	8		8		8		8	
49	9 6	49	4 8	49		49		49		49		49	9 6	49	4 8	49		49		49		49	
2	9 3	2	5 1	2		2		2		2		2	9 3	2	5 1	2		2		2		2	
4	9 0	4	5 3	4		4		4		4		4	9 0	4	5 3	4		4		4		4	
6	8 8	6	5 7	6		6		6		6		6	8 8	6	5 7	6		6		6		6	
8	8 5	8	6 0	8		8		8		8		8	8 5	8	6 0	8		8		8		8	
50	8 2	50	6 3	50		50		50		50		50	8 2	50	6 3	50		50		50		50	

## GLASS HYDROMETER.

A

Temperature 75° F.

Divs on Stem A	Per cent over Proof	Divs on Stem A	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof
0		10	70 5	0	63 6	10	54 8	20	44 9	30	33 5		
2		2	70 4	2	63 4	2	54 7	2	44 7	2	33 3		
4		4	70 3	4	63 3	4	54 5	4	44 5	4	33 1		
6		6	70 1	6	63 1	6	54 3	6	44 3	6	32 8		
8		8	70 0	8	62 9	8	54 1	8	44 1	8	32 6		
1		11	69 9	1	62 8	11	53 9	21	43 8	31	32 3		
2		2	69 7	2	62 6	2	53 7	2	43 6	2	32 1		
4		4	69 6	4	62 5	4	53 5	4	43 4	4	31 9		
6		6	69 5	6	62 3	6	53 4	6	43 1	6	31 7		
8		8	69 3	8	62 1	8	53 2	8	42 9	8	31 4		
2		12	69 2	2	61 9	12	53 0	22	42 6	32	31 2		
2		2	69 1	2	61 7	2	52 8	2	42 4	2	31 0		
4		4	68 9	4	61 6	4	52 6	4	42 1	4	30 7		
6		6	68 8	6	61 4	6	52 4	6	41 9	6	30 5		
8		8	68 7	8	61 2	8	52 2	8	41 6	8	30 3		
3	75 2	13	68 5	3	61 0	13	52 0	23	41 4	33	30 1		
2	75 1	2	68 4	2	60 8	2	51 9	2	41 1	2	29 8		
4	74 8	4	68 3	4	60 7	4	51 6	4	40 9	4	29 6		
6	74 7	6	68 2	6	60 5	6	51 4	6	40 7	6	29 3		
8	74 6	8	68 0	8	60 3	8	51 2	8	40 5	8	29 1		
4	74 5	14	67 9	4	60 1	14	51 0	24	40 2	34	28 8		
2	74 3	2	67 8	2	60 0	2	50 8	2	40 0	2	28 5		
4	74 2	4	67 7	4	59 8	4	50 6	4	39 8	4	28 3		
6	74 1	6	67 5	6	59 6	6	50 4	6	39 6	6	28 1		
8	73 9	8	67 4	8	59 4	8	50 2	8	39 4	8	27 9		
5	73 8	15	67 3	5	59 3	15	50 0	25	39 2	35	27 6		
2	73 6	2	67 1	2	59 1	2	49 8	2	39 0	2	27 4		
4	73 5	4	67 0	4	58 9	4	49 6	4	38 7	4	27 2		
6	73 4	6	66 9	6	58 7	6	49 4	6	38 5	6	27 0		
8	73 2	8	66 7	8	58 6	8	49 2	8	38 2	8	26 8		
6	73 1	16	66 6	6	58 5	16	49 0	26	38 0	36	26 5		
2	73 0	2	66 5	2	58 3	2	48 8	2	37 8	2	26 3		
4	72 8	4	66 3	4	58 1	4	48 6	4	37 5	4	26 0		
6	72 7	6	66 2	6	57 9	6	48 4	6	37 3	6	25 8		
8	72 6	8	66 1	8	57 7	8	48 2	8	37 1	8	25 5		
7	72 5	17	65 9	7	57 5	17	48 0	27	36 9	37	25 3		
2	72 3	2	65 8	2	57 4	2	47 8	2	36 7	2	25 0		
4	72 2	4	65 6	4	57 2	4	47 6	4	36 4	4	24 8		
6	72 1	6	65 5	6	57 1	6	47 4	6	36 2	6	24 5		
8	72 0	8	65 3	8	56 9	8	47 2	8	36 0	8	24 3		
8	71 8	18	65 2	8	56 7	18	47 0	28	35 8	38	24 0		
2	71 7	2	65 0	2	56 5	2	46 8	2	35 5	2	23 8		
4	71 6	4	64 9	4	56 3	4	46 6	4	35 3	4	23 5		
6	71 4	6	64 7	6	56 1	6	46 4	6	35 1	6	23 3		
8	71 3	8	64 6	8	55 9	8	46 2	8	34 9	8	23 0		
9	71 2	19	64 4	9	55 7	19	46 0	29	34 6	39	22 8		
2	71 0	2	64 2	2	55 5	2	45 8	2	34 4	2	22 5		
4	70 9	4	64 1	4	55 3	4	45 5	4	34 2	4	22 2		
6	70 8	6	64 0	6	55 2	6	45 3	6	34 0	6	21 9		
8	70 7	8	63 8	8	55 0	8	45 1	8	33 7	8	21 7		
10	70 5	20	63 6	10	54 8	20	44 9	30	33 5	40	21 4		

## GLASS HYDRŌMETER.

Temperature 75° F

Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof
40	21 4	50	7 8	60	6 7	70	24 0	80	45 8	90	75 0				
2	21 2		7 5	2	7 0	2	24 3		46 3	2	75 6				
4	20 9		7 2	4	7 3	4	24 7		46 8	4	76 2				
6	20 7		6 9	6	7 6	6	25 0		47 3	6	76 8				
8	20 4		6 6	8	7 9	8	25 4		47 8	8	77 3				
41	20 2	51	6 3	61	8 2	71	25 8	81	48 3	91	77 9				
2	19 9	2	6 1	2	8 5	2	26 1	2	48 9	2	78 4				
4	19 7	4	5 8	4	8 9	4	26 5	4	49 4	4	79 0				
6	19 4	6	5 5	6	9 2	6	26 8	6	49 9	6	79 6				
8	19 2	8	5 2	8	9 5	8	27 2	8	50 5	8	80 2				
42	18 9	52	4 9	62	9 8	72	27 6	82	51 1	92	80 8				
2	18 6	2	4 7	2	10 2	2	28 0	2	51 6	2	81 3				
4	18 4	4	4 4	4	10 5	4	28 3	4	52 2	4	81 9				
6	18 1	6	4 1	6	10 8	6	28 7	6	52 8	6	82 5				
8	17 8	8	3 8	8	11 2	8	29 1	8	53 3	8	83 1				
43	17 6	53	3 5	63	11 5	73	29 5	83	53 9	93	83 7				
2	17 3	2	3 2	2	11 8	2	29 9	2	54 5	2	84 3				
4	17 0	4	3 0	4	12 2	4	30 3	4	55 1	4	84 9				
6	16 8	6	2 7	6	12 5	6	30 7	6	55 6	6	85 5				
8	16 5	8	2 4	8	12 9	8	31 1	8	56 2	8	86 0				
44	16 2	54	2 1	64	13 2	74	31 5	84	56 8	94	86 6				
2	15 9	2	1 8	2	13 6	2	31 9	2	57 4	2	87 2				
4	15 7	4	1 5	4	13 9	4	32 4	4	58 0	4	87 7				
6	15 4	6	1 3	6	14 2	6	32 8	6	58 6	6	88 3				
8	15 2	8	1 0	8	14 6	8	33 3	8	59 2	8	88 8				
45	14 9	55	0 7	65	15 0	75	33 8	85	59 8	95	89 3				
2	14 6	2	0 4	2	15 3	2	34 2	2	60 4	2	89 9				
4	14 4	4	0 1	4	15 7	4	34 7	4	61 0	4	90 5				
6	14 1	6	0 2	6	16 0	6	35 2	6	61 6	6	91 0				
8	13 8	8	0 4	8	16 3	8	35 7	8	62 2	8	91 5				
46	13 6	56	0 7	66	16 7	76	36 1	86	62 7	96	92 1				
2	13 3	2	1 0	2	17 1	2	36 6	2	63 3	2	92 6				
4	13 0	4	1 3	4	17 5	4	37 1	4	63 9	4	93 1				
6	12 7	6	1 6	6	17 8	6	37 6	6	64 5	6	93 6				
8	12 4	8	1 9	8	18 2	8	38 1	8	65 0	8	94 2				
47	12 1	57	2 2	67	18 5	77	38 6	87	65 6	97	94 7				
2	11 8	2	2 5	2	18 9	2	39 0	2	66 3	2	95 2				
4	11 5	4	2 8	4	19 2	4	39 5	4	66 9	4	95 7				
6	11 2	6	3 1	6	19 6	6	40 0	6	67 5	6	96 2				
8	11 0	8	3 4	8	20 0	8	40 5	8	68 2	8	96 7				
48	10 7	58	3 7	68	20 4	78	41 0	88	68 8	98	97 3				
2	10 4	2	4 0	2	20 8	2	41 4	2	69 4	2	97 8				
4	10 1	4	4 3	4	21 1	4	41 9	4	70 1	4	98 3				
6	9 8	6	4 6	6	21 5	6	42 4	6	70 7	6	98 8				
8	9 5	8	4 9	8	21 8	8	42 9	8	71 3	8	99 3				
49	9 2	59	5 2	69	22 2	79	43 4	89	72 0	99	99 8				
2	8 9	2	5 5	2	22 6	2	43 9	2	72 6	2					
4	8 6	4	5 8	4	22 9	4	44 3	4	73 2	4					
6	8 4	6	6 1	6	23 3	6	44 8	6	73 8	6					
8	8 1	8	6 4	8	23 7	8	45 3	8	74 4	8					
50	7 8	60	6 7	70	24 0	80	45 8	90	75 0	100					

## GLASS HYDROMETER

A

Temperature 76° F.

Divs on Stem A	Per cent over Proof	Divs on Stem A	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof
0		10	70 4	0	63 4	10	54 5	20	44 6	30	33 2		
2		2	70 3	2	63 3	2	54 4	2	44 4	2	33 0		
4		4	70 1	4	63 1	4	54 2	4	44 2	4	32 8		
6		6	70 0	6	62 9	6	54 0	6	44 0	6	32 5		
8		8	69 9	8	62 7	8	53 8	8	43 7	8	32 3		
1		11	69 7	1	62 6	11	53 7	21	43 5	31	32 1		
2		2	69 6	2	62 4	2	53 5	2	43 2	2	31 8		
4		4	69 5	4	62 2	4	53 3	4	43 0	4	31 6		
6		6	69 3	6	62 0	6	53 1	6	42 8	6	31 3		
8		8	69 2	8	61 8	8	52 9	8	42 5	8	31 1		
12		12	69 1	2	61 7	12	52 7	22	42 3	32	30 9		
2		2	69 0	2	61 5	2	52 5	2	42 1	2	30 7		
4		4	68 8	4	61 3	4	52 3	4	41 8	4	30 4		
6	75 2	6	68 7	6	61 1	6	52 1	6	41 6	6	30 2		
8	75 1	8	68 6	8	60 9	8	51 9	8	41 4	8	29 9		
3	75 0	13	68 4	3	60 7	13	51 7	23	41 1	33	29 7		
2	74 9	2	68 3	2	60 6	2	51 5	2	40 8	2	29 4		
4	74 7	4	68 2	4	60 4	4	51 3	4	40 6	4	29 2		
6	74 6	6	68 1	6	60 3	6	51 1	6	40 4	6	29 0		
8	74 4	8	67 9	8	60 1	8	50 9	8	40 2	8	28 8		
4	74 3	14	67 8	4	59 9	14	50 7	24	39 9	34	28 5		
2	74 2	2	67 7	2	59 7	2	50 5	2	39 7	2	28 2		
4	74 0	4	67 5	4	59 5	4	50 3	4	39 5	4	28 0		
6	73 9	6	67 4	6	59 3	6	50 1	6	39 3	6	27 8		
8	73 8	8	67 3	8	59 1	8	49 9	8	39 1	8	27 6		
5	73 6	15	67 1	5	59 0	15	49 7	25	38 8	35	27 3		
2	73 5	2	67 0	2	58 9	2	49 5	2	38 6	2	27 0		
4	73 4	4	66 8	4	58 7	4	49 3	4	38 4	4	26 8		
6	73 3	6	66 7	6	58 5	6	49 1	6	38 1	6	26 5		
8	73 1	8	66 5	8	58 3	8	48 9	8	37 9	8	26 3		
6	73 0	16	66 4	6	58 2	16	48 7	26	37 7	36	26 0		
2	72 9	2	66 3	2	58 1	2	48 6	2	37 5	2	25 8		
4	72 7	4	66 1	4	57 9	4	48 4	4	37 2	4	25 6		
6	72 6	6	66 0	6	57 7	6	48 2	6	37 0	6	25 4		
8	72 5	8	65 9	8	57 5	8	47 9	8	36 8	8	25 2		
7	72 4	17	65 7	7	57 3	17	47 8	27	36 6	37	24 9		
2	72 2	2	65 6	2	57 1	2	47 6	2	36 4	2	24 7		
4	72 1	4	65 4	4	56 9	4	47 4	4	36 1	4	24 4		
6	72 0	6	65 3	6	56 7	6	47 2	6	35 9	6	24 1		
8	71 8	8	65 2	8	56 5	8	47 0	8	35 7	8	23 9		
8	71 7	18	65 0	8	56 4	18	46 8	28	35 5	38	23 5		
2	71 6	2	64 8	2	56 2	2	46 5	2	35 2	2	23 4		
4	71 5	4	64 7	4	56 0	4	46 3	4	35 0	4	23 1		
6	71 3	6	64 5	6	55 9	6	46 1	6	34 8	6	22 9		
8	71 2	8	64 4	8	55 7	8	45 9	8	34 6	8	22 6		
9	71 1	19	64 2	9	55 5	19	45 7	29	34 3	39	22 4		
2	70 9	2	64 0	2	55 3	2	45 5	2	34 1	2	22 2		
4	70 8	4	63 9	4	55 1	4	45 2	4	33 9	4	21 9		
6	70 7	6	63 8	6	54 9	6	45 0	6	33 7	6	21 6		
8	70 5	8	63 6	8	54 7	8	44 8	8	33 4	8	21 4		
10	70 4	20	63 4	10	54 5	20	44 6	30	33 2	40	21 1		

## Temperature 76° F.

Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof
40	21 1	50	1 5	60	7 0	70	24 4	80	46 2	90	75 3				
12	20 8	12	1 2	12	7 3	12	24 6	12	46 7	12	75 8				
4	20 6	4	6 9	4	7 6	4	25 0	4	47 12	4	76 4				
6	20 4	6	6 6	6	7 9	6	25 4	6	47 7	6	77 0				
8	20 1	8	6 3	8	8 2	8	25 8	8	48 2	8	77 5				
41	19 9	51	6 0	61	8 5	71	26 1	81	48 7	91	78 1				
2	19 6	2	5 8	2	8 8	2	26 5	2	49 3	2	78 6				
4	19 4	4	5 5	4	9 2	4	26 9	4	49 8	4	79 2				
6	19 1	6	5 2	6	9 5	6	27 2	6	50 3	6	79 8				
8	18 9	8	4 9	8	9 8	8	27 6	8	50 9	8	80 4				
42	18 7	52	4 6	62	10 1	72	28 0	82	51 5	92	81 0				
2	18 4	2	4 4	2	10 5	2	28 4	2	52 0	2	81 5				
4	18 1	4	4 1	4	10 8	4	28 7	4	52 6	4	82 1				
6	17 8	6	3 8	6	11 2	6	29 1	6	53 2	6	82 7				
8	17 5	8	3 5	8	11 5	8	29 5	8	53 7	8	83 3				
43	17 3	53	3 2	63	11 9	73	29 9	83	54 3	93	83 9				
2	17 0	2	3 0	2	12 2	2	30 3	2	54 9	2	84 4				
4	16 7	4	2 7	4	12 6	4	30 7	4	55 5	4	84 9				
6	16 5	6	2 4	6	12 9	6	31 1	6	56 0	6	85 5				
8	16 2	8	2 1	8	13 3	8	31 5	8	56 6	8	86 0				
44	15 9	54	1 8	64	13 6	74	31 9	84	57 1	94	86 6				
2	15 7	2	1 5	2	14 0	2	32 4	2	57 7	2	87 1				
4	15 4	4	1 3	4	14 3	4	32 8	4	58 3	4	87 7				
6	15 1	6	1 0	6	14 6	6	33 3	6	58 9	6	88 3				
8	14 9	8	0 7	8	15 0	8	33 7	8	59 5	8	88 8				
45	14 6	55	0 4	65	15 4	75	34 2	85	60 1	95	89 4				
2	14 3	2	0 1	2	15 7	2	34 6	2	60 7	2	89 9				
4	14 1	4	0 2	4	16 1	4	35 1	4	61 3	4	90 5				
6	13 8	6	0 4	6	16 4	6	35 6	6	61 9	6	91 1				
8	13 5	8	0 7	8	16 7	8	36 1	8	62 5	8	91 7				
46	13 3	56	1 0	66	17 1	76	36 5	86	63 0	96	92 2				
2	13 0	2	1 3	2	17 5	2	37 0	2	63 6	2	92 7				
4	12 7	4	1 6	4	17 8	4	37 5	4	64 2	4	93 2				
6	12 4	6	1 9	6	18 2	6	38 0	6	64 8	6	93 7				
8	12 1	8	2 2	8	18 6	8	38 5	8	65 4	8	94 2				
47	11 8	57	2 5	67	18 9	77	39 0	87	66 0	97	94 8				
2	11 5	2	2 8	2	19 3	2	39 4	2	66 6	2	95 3				
4	11 2	4	3 1	4	19 7	4	39 9	4	67 2	4	95 8				
6	10 9	6	3 4	6	20 0	6	40 4	6	67 9	6	96 3				
8	10 7	8	3 7	8	20 4	8	40 9	8	68 5	8	96 9				
48	10 4	58	4 0	68	20 7	78	41 4	88	69 2	98	97 4				
2	10 1	2	4 3	2	21 1	2	41 8	2	69 8	2	97 9				
4	9 8	4	4 6	4	21 4	4	42 3	4	70 4	4	98 4				
6	9 5	6	4 9	6	21 8	6	42 8	6	71 0	6	98 9				
8	9 2	8	5 2	8	22 1	8	43 3	8	71 6	8	99 4				
49	8 9	59	5 5	69	22 5	79	43 8	89	72 2	99	99 9				
2	8 6	2	5 8	2	22 9	2	44 3	2	72 9	2					
4	8 3	4	6 1	4	23 2	4	44 7	4	73 5	4					
6	8 1	6	6 4	6	23 6	6	45 2	6	74 1	6					
8	7 8	8	6 7	8	24 0	8	45 7	8	74 7	8					
50	7 5	60	7 0	70	24 3	80	46 2	90	75 3	100					

A Temperature 77° F.

Divs on Stem A	Per cent over Proof	Divs on Stem A	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof
0		10	70 2	0	63 2	10	54 3	20	44 3	30	32 9		
1		11	70 1	1	63 0	11	54 1	21	44 1	31	32 7		
2		12	69 9	2	62 8	12	53 9	22	43 9	32	32 5		
3		13	69 8	3	62 7	13	53 7	23	43 7	33	32 2		
4		14	69 7	4	62 5	14	53 5	24	43 4	34	32 0		
5		15	69 5	5	62 3	15	53 4	25	43 2	35	31 8		
6		16	69 4	6	62 2	16	53 3	26	42 9	36	31 6		
7		17	69 3	7	62 0	17	53 1	27	42 7	37	31 4		
8		18	69 1	8	61 8	18	52 9	28	42 4	38	31 1		
9		19	69 0	9	61 6	19	52 7	29	42 2	39	30 9		
10		20	68 9	10	61 4	20	52 5	30	41 9	40	30 7		
11	75 2	21	68 8	11	61 2	21	52 3	31	41 7	41	30 5		
12	75 1	22	68 6	12	61 0	22	52 1	32	41 5	42	30 2		
13	75 0	23	68 5	13	60 8	23	51 9	33	41 2	43	30 0		
14	74 9	24	68 4	14	60 7	24	51 7	34	41 0	44	29 7		
15	74 8	25	68 2	15	60 5	25	51 5	35	40 8	45	29 5		
16	74 6	26	68 1	16	60 3	26	51 3	36	40 5	46	29 2		
17	74 5	27	68 0	17	60 2	27	51 1	37	40 3	47	29 0		
18	74 4	28	67 9	18	60 0	28	50 9	38	40 1	48	28 7		
19	74 3	29	67 7	19	59 9	29	50 7	39	39 9	49	28 5		
20	74 2	30	67 6	20	59 7	30	50 5	40	39 7	50	28 3		
21	74 1	31	67 5	21	59 5	31	50 3	41	39 5	51	28 0		
22	74 0	32	67 3	22	59 3	32	50 1	42	39 2	52	27 8		
23	73 8	33	67 2	23	59 1	33	49 9	43	39 0	53	27 5		
24	73 7	34	67 1	24	58 9	34	49 7	44	38 7	54	27 3		
25	73 6	35	67 0	25	58 7	35	49 5	45	38 5	55	27 1		
26	73 5	36	66 9	26	58 6	36	49 3	46	38 3	56	26 8		
27	73 4	37	66 8	27	58 5	37	49 1	47	38 1	57	26 6		
28	73 3	38	66 6	28	58 3	38	48 9	48	37 8	58	26 3		
29	73 2	39	66 5	29	58 1	39	48 7	49	37 6	59	26 1		
30	73 1	40	66 3	30	57 9	40	48 5	50	37 4	60	25 8		
31	73 0	41	66 2	31	57 7	41	48 3	51	37 1	61	25 6		
32	72 8	42	66 1	32	57 6	42	48 1	52	36 9	62	25 3		
33	72 7	43	66 0	33	57 4	43	47 9	53	36 7	63	25 1		
34	72 6	44	65 8	34	57 2	44	47 7	54	36 5	64	24 8		
35	72 5	45	65 7	35	57 1	45	47 5	55	36 3	65	24 6		
36	72 4	46	65 5	36	56 9	46	47 3	56	36 1	66	24 3		
37	72 3	47	65 4	37	56 7	47	47 1	57	35 8	67	24 1		
38	72 2	48	65 2	38	56 5	48	46 9	58	35 6	68	23 8		
39	72 1	49	65 1	39	56 3	49	46 7	59	35 4	69	23 6		
40	72 0	50	64 9	40	56 1	50	46 5	60	35 2	70	23 3		
41	71 9	51	64 7	41	55 9	51	46 3	61	35 0	71	23 1		
42	71 8	52	64 6	42	55 7	52	46 1	62	34 9	72	22 8		
43	71 7	53	64 4	43	55 6	53	45 9	63	34 7	73	22 6		
44	71 6	54	64 3	44	55 4	54	45 7	64	34 5	74	22 3		
45	71 5	55	64 1	45	55 2	55	45 5	65	34 3	75	22 1		
46	71 4	56	64 0	46	55 1	56	45 4	66	34 0	76	21 8		
47	71 3	57	63 9	47	54 9	57	45 2	67	33 8	77	21 6		
48	71 2	58	63 7	48	54 7	58	44 9	68	33 6	78	21 3		
49	71 1	59	63 5	49	54 5	59	44 7	69	33 4	79	21 1		
50	71 0	60	63 4	50	54 3	60	44 5	70	33 1	80	20 8		
51	70 9	61	63 2	51	54 3	61	44 3	71	32 9				

## GLASS HYDROMETER.

-Temperature 77° F.

Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof
40	20 8	50	7 12	60	7 4	70	24 7	80	48 6	90	77 6	100	100 0		
2	20 5	2	6 9	2	7 7	2	25 1	2	47 1	2	76 1				
4	20 3	4	6 6	4	8 0	4	25 5	4	47 6	4	76 6				
6	20 0	6	6 3	6	8 3	6	25 9	6	48 1	6	77 2				
8	19 8	8	6 0	8	8 6	8	26 2	8	48 6	8	77 8				
41	19 6	51	5 7	61	8 9	71	26 6	81	49 2	91	78 3				
2	19 3	2	5 5	2	9 2	2	27 0	2	49 7	2	78 9				
4	19 1	4	5 2	4	9 6	4	27 3	4	50 2	4	79 5				
6	18 8	6	4 9	6	9 9	6	27 7	6	50 8	6	80 1				
8	18 6	8	4 6	8	10 2	8	28 1	8	51 3	8	80 6				
42	18 3	52	4 3	62	10 5	72	28 5	82	51 9	92	81 2				
2	18 0	2	4 1	2	10 9	2	28 9	2	52 4	2	81 8				
4	17 8	4	3 8	4	11 2	4	29 2	4	53 0	4	82 3				
6	17 5	6	3 5	6	11 5	6	29 6	6	53 6	6	82 9				
8	17 2	8	3 2	8	11 9	8	30 0	8	54 1	8	83 5				
43	16 9	53	2 9	63	12 2	73	30 4	83	54 7	93	84 0				
2	16 6	2	2 6	2	12 6	2	30 8	2	55 3	2	84 6				
4	16 4	4	2 4	4	12 9	4	31 2	4	55 9	4	85 1				
6	16 1	6	2 1	6	13 3	6	31 6	6	56 4	6	85 7				
8	15 8	8	1 8	8	13 6	8	32 0	8	57 0	8	86 2				
44	15 6	54	1 5	64	14 0	74	32 4	84	57 5	94	86 8				
2	15 3	2	1 2	2	14 4	2	32 9	2	58 1	2	87 3				
4	15 0	4	0 9	4	14 7	4	33 3	4	58 7	4	87 9				
6	14 8	6	0 7	6	15 0	6	33 8	6	59 3	6	88 4				
8	14 5	8	0 4	8	15 4	8	34 2	8	59 9	8	89 0				
45	14 2	55	0 1	65	15 7	75	34 7	85	60 4	95	89 5				
2	13 9	2	0 2	2	16 1	2	35 1	2	61 0	2	90 0				
4	13 7	4	0 3	4	16 4	4	35 6	4	61 6	4	90 6				
6	13 4	6	0 8	6	16 7	6	36 1	6	62 1	6	91 1				
8	13 1	8	1 0	8	17 1	8	36 5	8	62 7	8	91 7				
46	12 9	56	1 3	66	17 5	76	37 0	86	63 3	96	92 2				
2	12 6	2	1 6	2	17 8	2	37 4	2	63 9	2	92 7				
4	12 3	4	1 9	4	18 2	4	37 9	4	64 5	4	93 2				
6	12 0	6	2 2	6	18 6	6	38 4	6	65 1	6	93 7				
8	11 7	8	2 5	8	18 9	8	38 9	8	65 7	8	94 3				
47	11 4	57	2 8	67	19 3	77	39 3	87	66 3	97	94 8				
2	11 1	2	3 1	2	19 7	2	39 8	2	66 9	2	95 3				
4	10 8	4	3 4	4	20 1	4	40 3	4	67 5	4	95 8				
6	10 6	6	3 7	6	20 4	6	40 8	6	68 2	6	96 3				
8	10 3	8	4 0	8	20 8	8	41 3	8	68 8	8	96 9				
48	10 0	58	4 3	68	21 1	78	41 8	88	69 5	98	97 4				
2	9 7	2	4 6	2	21 5	2	42 2	2	70 1	2	97 9				
4	9 4	4	4 9	4	21 8	4	42 7	4	70 7	4	98 5				
6	9 1	6	5 2	6	22 2	6	43 2	6	71 3	6	99 0				
8	8 9	8	5 5	8	22 5	8	43 7	8	71 9	8	99 6				
49	8 6	59	5 8	69	22 9	79	44 1	89	72 6	99	100 0				
2	8 3	2	6 1	2	23 3	2	44 6	2	73 2	2					
4	8 0	4	6 5	4	23 6	4	45 1	4	73 8	4					
6	7 7	6	6 8	6	24 0	6	45 6	6	74 4	6					
8	7 4	8	7 1	8	24 4	8	46 1	8	75 0	8					
50	7 2	60	7 4	70	24 7	80	46 6	90	75 6	100					

Temperature 78° F.

80

## GLASS HYDROMETER.

Temperature 78° F.

Dips on Stem	Per cent. over Proof	Dips on Stem	Per cent. over Proof	Dips on Stem	Per cent. under Proof	Dips on Stem	Per cent. under Proof	Dips on Stem	Per cent. under Proof	Dips on Stem	Per cent. under Proof	Dips on Stem	Per cent. under Proof	Dips on Stem	Per cent. under Proof
40	20 5	50	6 8	60	7 7	70	25 1	80	47 0	90	75 8				
2	20 2	2	6 5	2	8 0	2	25 4	2	47 5	2	76 3				
4	20 0	4	6 2	4	8 3	4	25 8	4	48 1	4	76 9				
6	19 7	6	5 9	6	8 7	6	26 2	6	48 6	6	77 4				
8	19 5	8	5 6	8	9 0	8	26 6	8	49 1	8	78 0				
41	19 2	51	5 4	61	9 3	71	26 9	81	49 6	91	78 5				
2	19 0	2	5 1	2	9 6	2	27 3	2	50 2	2	79 2				
4	18 7	4	4 8	4	9 9	4	27 7	4	50 7	4	79 7				
6	18 5	6	4 5	6	10 3	6	28 0	6	51 2	6	80 3				
8	18 2	8	4 2	8	10 6	8	28 4	8	51 8	8	80 9				
42	17 9	52	3 9	62	10 9	72	28 8	82	52 1	92	81 4				
2	17 7	2	3 7	2	11 3	2	29 2	2	52 9	2	82 0				
4	17 4	4	3 4	4	11 6	4	29 6	4	53 5	4	82 6				
6	17 2	6	3 1	6	12 0	6	30 0	6	54 0	6	83 1				
8	16 9	8	2 8	8	12 3	8	30 4	8	54 6	8	83 7				
43	16 6	53	2 5	63	12 7	73	30 8	83	55 1	93	84 2				
2	16 3	2	2 2	2	13 0	2	31 2	2	55 7	2	84 8				
4	16 0	4	2 0	4	13 4	4	31 7	4	56 3	4	85 3				
6	15 8	6	1 7	6	13 7	6	32 1	6	56 8	6	85 9				
8	15 5	8	1 4	8	14 0	8	32 5	8	57 4	8	86 4				
44	15 2	54	1 1	64	14 4	74	32 9	84	57 9	94	86 9				
2	15 0	2	0 8	2	14 8	2	33 4	2	58 5	2	87 5				
4	14 7	4	0 6	4	15 1	4	33 8	4	59 0	4	88 0				
6	14 4	6	0 3	6	15 4	6	34 3	6	59 6	6	88 6				
8	14 2	8		8	15 7	8	34 7	8	60 2	8	89 1				
45	13 9	55	0 7	65	16 1	75	35 2	85	60 8	95	89 7				
2	13 6	2	0 6	2	16 5	2	35 6	2	61 4	2	90 2				
4	13 4	4	0 8	4	16 8	4	36 0	4	62 0	4	90 8				
6	13 1	6	1 1	6	17 1	6	36 5	6	62 5	6	91 3				
8	12 8	8	1 4	8	17 5	8	37 0	8	63 1	8	91 8				
46	12 5	56	1 7	66	17 8	76	37 5	86	63 7	96	92 3				
2	12 2	2	2 0	2	18 2	2	38 0	2	64 3	2	92 9				
4	12 0	4	2 3	4	18 6	4	38 4	4	64 9	4	93 4				
6	11 7	6	2 6	6	18 9	6	38 8	6	65 5	6	93 9				
8	11 5	8	2 9	8	19 3	8	39 3	8	66 1	8	94 4				
47	11 2	57	3 2	67	19 7	77	39 8	87	66 7	97	95 0				
2	10 8	2	3 5	2	20 1	2	40 2	2	67 3	2	95 5				
4	10 5	4	3 8	4	20 5	4	40 7	4	67 9	4	96 0				
6	10 2	6	4 1	6	20 8	6	41 2	6	68 5	6	96 5				
8	10 0	8	4 4	8	21 2	8	41 7	8	69 1	8	97 1				
48	9 7	58	4 7	68	21 5	78	42 2	88	69 8	98	97 6				
2	9 4	2	5 0	2	21 9	2	42 6	2	70 4	2	98 1				
4	9 1	4	5 3	4	22 2	4	43 1	4	71 0	4	98 6				
6	8 8	6	5 6	6	22 6	6	43 6	6	71 6	6	99 1				
8	8 5	8	5 9	8	22 9	8	44 1	8	72 2	8	99 6				
49	8 2	59	6 2	69	23 3	79	44 6	89	72 9	99					
2	7 9	2	6 5	2	23 6	2	45 1	2	73 5	2					
4	7 6	4	6 8	4	24 0	4	45 5	4	74 1	4					
6	7 4	6	7 1	6	24 3	6	46 0	6	74 7	6					
8	7 1	8	7 4	8	24 7	8	46 5	8	75 3	8					
50	6 8	60	7 7	70	25 1	80	47 0	90	75 8	100					

## GLASS HYDROMETER

A

Temperature 79° F.

Days on Stem A	Per cent over Proof	Days on Stem A	Per cent over Proof	Days on Stem	Per cent over Proof	Days on Stem	Per cent over Proof	Days on Stem	Per cent over Proof	Days on Stem	Per cent over Proof	Days on Stem	Per cent over Proof	Days on Stem	Per cent over Proof
0		10	69 8	0	62 7	10	53 8	20	43 7	30	32 3				
2		2	69 7	2	62 5	2	53 7	2	43 5	2	32 0				
4		4	69 5	4	62 3	4	53 5	4	43 2	4	31 8				
6		6	69 1	6	62 2	6	53 3	6	43 0	6	31 6				
8		8	69 3	8	62 0	8	53 1	8	42 7	8	31 4				
1		11	69 1	1	61 8	11	52 9	21	42 5	31	31 1				
2		2	69 0	2	61 6	2	52 7	2	42 3	2	30 9				
4		4	68 9	4	61 4	4	52 5	4	42 0	4	30 7				
6		6	68 7	6	61 3	6	52 3	6	41 8	6	30 4				
9	75 2	8	68 6	8	61 1	8	52 1	8	41 6	8	30 2				
12	75 1	12	68 5	12	60 9	12	51 9	22	41 3	32	29 9				
2	75 0	2	68 4	2	60 7	2	51 7	2	41 1	2	29 7				
4	74 8	4	68 2	4	60 5	4	51 5	4	40 8	4	29 5				
6	74 7	6	68 1	6	60 4	6	51 3	6	40 6	6	29 3				
8	74 6	8	68 0	8	60 2	8	51 1	8	40 4	8	29 1				
3	74 4	13	67 9	3	60 0	13	50 9	23	40 2	33	28 8				
2	74 3	2	67 7	2	59 9	2	50 7	2	39 9	2	28 6				
4	74 1	4	67 6	4	59 7	4	50 5	4	39 7	4	28 4				
6	74 0	6	67 5	6	59 5	6	50 3	6	39 5	6	28 1				
8	73 8	8	67 3	8	59 3	8	50 1	8	39 3	8	27 9				
4	73 7	14	67 2	4	59 1	14	49 9	24	39 0	34	27 6				
2	73 6	2	67 1	2	59 0	2	49 7	2	38 8	2	27 4				
4	73 4	4	66 9	4	58 8	4	49 5	4	38 6	4	27 1				
6	73 3	6	66 8	6	58 7	6	49 3	6	38 4	6	26 9				
8	73 2	8	66 7	8	58 5	8	49 1	8	38 1	8	26 7				
5	73 0	15	66 5	5	58 3	15	48 9	25	37 9	35	26 4				
2	72 9	2	66 4	2	58 1	2	48 7	2	37 6	2	26 2				
4	72 8	4	66 2	4	58 0	4	48 5	4	37 4	4	25 9				
6	72 7	6	66 1	6	57 8	6	48 3	6	37 2	6	25 7				
8	72 5	8	66 0	8	57 6	8	48 1	8	37 0	8	25 4				
6	72 4	16	65 8	6	57 5	16	47 9	26	36 7	36	25 2				
2	72 3	2	65 7	2	57 3	2	47 7	2	36 5	2	24 9				
4	72 2	4	65 6	4	57 1	4	47 5	4	36 3	4	24 7				
6	72 0	6	65 4	6	56 9	6	47 3	6	36 1	6	24 4				
8	71 9	8	65 3	8	56 7	8	47 1	8	35 9	8	24 2				
7	71 8	17	65 1	7	56 5	17	46 9	27	35 7	37	23 9				
2	71 6	2	65 0	2	56 4	2	46 7	2	35 5	2	23 7				
4	71 5	4	64 8	4	56 2	4	46 5	4	35 3	4	23 4				
6	71 4	6	64 6	6	56 0	6	46 3	6	35 0	6	23 2				
8	71 2	8	64 5	8	55 8	8	46 1	8	34 8	8	22 9				
8	71 1	18	64 3	8	55 6	18	45 9	28	34 6	38	22 7				
2	71 0	2	64 2	2	55 5	2	45 7	2	34 3	2	22 4				
4	70 9	4	64 0	4	55 3	4	45 5	4	34 1	4	22 2				
6	70 8	6	63 9	6	55 1	6	45 2	6	33 9	6	21 9				
8	70 6	8	63 7	8	54 9	8	45 0	8	33 7	8	21 7				
9	70 5	19	63 5	9	54 7	19	44 8	29	33 4	39	21 4				
2	70 3	2	63 4	2	54 5	2	44 6	2	33 2	2	21 2				
4	70 2	4	63 2	4	54 3	4	44 4	4	32 9	4	20 9				
6	70 1	6	63 1	6	54 2	6	44 2	6	32 7	6	20 7				
8	69 9	8	62 9	8	54 0	8	43 9	8	32 5	8	20 4				
10		20	62 7	10	53 8	20	43 7	30	32 3	40	20 2				

# GLASS HYDROMETER.

Temperature 79° F.

Divs. on Stem	Per cent. over Proof	Divs. on Stem	Per cent. over Proof	Divs. on Stem	Per cent. under Proof	Divs. on Stem	Per cent. under Proof	Divs. on Stem	Per cent. under Proof	Divs. on Stem	Per cent. under Proof	Divs. on Stem	Per cent. under Proof
10	20 2	50	2 5	60	8 1	70	25 5	80	47 4	90	76 1		
12	19 0		6 2		9 4		25 8		47 9		76 6		
4	19 6		5 0		8 7		26 2		48 5		77 2		
6	19 4		5 6		9 1		26 6		49 0		77 7		
8	19 2		5 3		9 4		27 0		49 5		78 3		
11	18 9	51	5 1	61	9 7	71	27 3	81	50 1	91	78 9		
12	18 7		4 9		10 0		27 7		50 6		79 5		
4	18 5		4 5		10 3		28 1		51 1		80 0		
6	18 2		4 2		10 7		28 4		51 7		80 6		
9	17 9		3 9		11 0		28 9		52 2		81 1		
42	17 6	52	3 6	62	11 3	72	29 2	82	52 7	92	81 7		
12	17 4		3 4		11 7		29 5		53 3		82 2		
4	17 1		3 1		12 0		30 0		53 9		82 8		
6	16 8		2 8		12 4		30 4		54 4		83 3		
8	16 5		2 5		12 7		30 8		55 0		83 9		
13	16 2	53	2 2	63	13 1	73	31 3	83	55 5	93	84 4		
4	15 9		1 9		13 4		31 7		56 1		85 0		
6	15 7		1 7		13 8		32 2		56 7		85 5		
4	15 4		1 4		14 1		32 6		57 2		86 1		
9	15 1		1 1		14 4		33 0		57 7		86 6		
41	14 9	54	0 8	64	14 8	74	33 4	84	58 3	94	87 2		
12	14 6		0 5		15 2		33 9		58 9		87 7		
4	14 3		0 2		15 5		34 3		59 4		88 2		
6	14 1		0 1		15 8		34 8		60 0		88 7		
8	13 8		0 3		16 1		35 2		60 6		89 3		
15	13 5	55	0 6	65	16 5	75	35 7	85	61 1	95	89 8		
1	13 2		0 9		16 9		36 1		61 7		90 3		
6	13 0		1 2		17 2		36 5		62 3		90 9		
8	12 7		1 5		17 5		36 9		62 8		91 4		
46	12 4	56	1 7	66	17 9	76	37 4	86	63 4	96	91 9		
2	12 1		2 0		18 3		37 9		64 0		92 4		
4	11 8		2 3		18 7		38 3		64 6		93 0		
6	11 6		2 6		19 0		38 8		65 2		93 5		
8	11 3		2 9		19 4		39 2		65 8		94 0		
17	11 0	57	3 2	67	19 8	77	39 7	87	66 4	97	94 5		
2	10 7		3 5		20 2		40 2		67 0		95 1		
4	10 4		3 8		20 5		40 6		67 6		95 6		
6	10 1		4 1		20 9		41 1		68 2		96 1		
8	9 9		4 4		21 2		41 6		68 8		96 6		
18	9 6	58	4 7	68	21 6	78	42 1	88	69 4	98	97 2		
1	9 3		5 0		21 9		42 6		70 1		97 7		
1	9 0		5 3		22 3		43 0		70 7		98 2		
6	8 7		5 6		22 6		43 5		71 3		98 8		
8	8 4		5 9		23 0		44 0		71 9		99 3		
49	8 2	59	6 2	69	23 3	79	44 5	89	72 5	99	99 8		
2	7 9		6 5		23 7		45 0		73 2		100		
4	7 6		6 8		24 0		45 5		73 8				
6	7 3		7 2		24 4		45 9		74 4				
8	7 0		7 5		24 7		46 4		75 0				
20	6 7	60	7 8	70	25 1	80	46 9	90	75 6				
	6 5		8 1		25 5		47 4		76 1				

Temperature 80° F.

81

## GLASS HYDROMETER.

Temperature 80° F.

Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof
40	19 9	50	6 1	60	8 5	70	25 9	80	47 9	90	76 3				
2	19 6	12	5 8	2	8 8	2	26 6	12	48 4	2	76 9				
4	19 3	4	5 5	4	9 1	4	26 6	4	49 0	4	77 5				
6	19 1	6	5 2	6	9 6	6	27 0	6	49 5	6	78 0				
8	18 9	8	4 9	8	9 8	8	27 4	8	50 0	8	78 6				
41	18 6	51	4 7	61	10 1	71	27 7	81	50 5	91	79 2				
2	18 3	2	4 4	2	10 4	2	28 1	2	51 0	2	79 8				
4	18 0	4	4 1	4	10 7	4	28 5	4	51 6	4	80 3				
6	17 8	6	3 8	6	11 1	6	28 9	6	52 1	6	80 9				
8	17 5	8	3 5	8	11 4	8	29 3	8	52 6	8	81 4				
42	17 2	52	3 2	62	11 7	72	29 7	82	53 2	92	81 9				
2	17 0	2	3 0	2	12 1	2	30 1	2	53 8	2	82 5				
4	16 7	4	2 7	4	12 4	4	30 5	4	54 3	4	83 1				
6	16 4	6	2 4	6	12 8	6	30 9	6	54 8	6	83 6				
8	16 1	8	2 2	8	13 1	8	31 3	8	55 4	8	84 1				
43	15 8	53	1 9	63	13 4	73	31 8	83	56 0	93	84 6				
2	15 5	2	1 6	2	13 8	2	32 2	2	56 5	2	85 2				
4	15 3	4	1 3	4	14 2	4	32 6	4	57 1	4	85 7				
6	15 0	6	1 0	6	14 5	6	33 1	6	57 6	6	86 3				
8	14 7	8	0 7	8	14 8	8	33 5	8	58 2	8	86 8				
44	14 5	54	0 4	64	15 2	74	33 9	84	58 7	94	87 3				
2	14 2	2	0 1	2	15 5	2	34 4	2	59 3	2	87 9				
4	13 9	4	0 2	4	15 9	4	34 8	4	59 8	4	88 4				
6	13 7	6	0 4	6	16 2	6	35 3	6	60 4	6	88 9				
8	13 4	8	0 7	8	16 5	8	35 7	8	61 0	8	89 5				
45	13 1	55	1 0	65	16 9	75	36 1	85	61 5	95	90 0				
2	12 8	2	1 3	2	17 2	2	36 5	2	62 1	2	90 5				
4	12 6	4	1 6	4	17 6	4	36 9	4	62 6	4	91 1				
6	12 3	6	1 9	6	17 9	6	37 3	6	63 2	6	91 6				
8	12 0	8	2 1	8	18 3	8	37 8	8	63 8	8	92 1				
46	11 7	56	2 4	66	18 6	76	38 3	86	64 4	96	92 6				
2	11 4	2	2 7	2	19 0	2	38 8	2	65 0	2	93 2				
4	11 2	4	3 0	4	19 4	4	39 2	4	65 6	4	93 7				
6	10 9	6	3 3	6	19 8	6	39 7	6	66 2	6	94 2				
8	10 7	8	3 6	8	20 2	8	40 1	8	66 8	8	94 7				
47	10 3	57	3 9	67	20 6	77	40 6	87	67 4	97	95 3				
2	10 0	2	4 2	2	20 9	2	41 1	2	68 0	2	95 8				
4	9 7	4	4 5	4	21 3	4	41 6	4	68 6	4	96 3				
6	9 5	6	4 8	6	21 6	6	42 1	6	69 2	6	96 8				
8	9 2	8	5 1	8	22 0	8	42 5	8	69 8	8	97 4				
48	8 9	58	5 4	68	22 3	78	43 0	88	70 4	98	97 9				
2	8 6	2	5 7	2	22 7	2	43 5	2	71 0	2	98 4				
4	8 3	4	6 0	4	23 0	4	44 0	4	71 6	4	99 0				
6	8 0	6	6 3	6	23 3	6	44 4	6	72 2	6	99 5				
8	7 8	8	6 6	8	23 7	8	44 9	8	72 8	8	100 0				
49	7 5	59	6 9	69	24 1	79	45 3	89	73 4	99					
2	7 2	2	7 2	2	24 4	2	45 8	2	74 0	2					
4	6 9	4	7 6	4	24 8	4	46 4	4	74 6	4					
6	6 6	6	7 9	6	25 1	6	46 9	6	75 2	6					
8	6 3	8	8 2	8	25 5	8	47 4	8	75 8	8					
50	6 1	60	8 5	70	25 9	80	47 9	90	76 3	100					

## GLASS HYDROMETER

A

Temperature 81° F.

Dips on Stem A	Per cent over Proof	Dips on Stem A	Per cent over Proof	Dips on Stem	Per cent over Proof	Dips on Stem	Per cent over Proof	Dips on Stem	Per cent over Proof	Dips on Stem	Per cent over Proof	Dips on Stem	Per cent over Proof
0		10	69.4	0	62.2	10	53.3	20	43.0	30	31.7		
2		12	69.3	2	62.0	12	53.1	22	42.8	32	31.4		
4		14	69.1	4	61.8	14	52.9	24	42.6	34	31.2		
6		16	69.0	6	61.7	16	52.7	26	42.4	36	31.0		
8		18	68.9	8	61.5	18	52.5	28	42.1	38	30.8		
1		20	68.7	10	61.3	20	52.4	30	41.8	40	30.5		
2	75.2	22	68.6	12	61.1	22	52.2	32	41.6	42	30.3		
4	75.1	24	68.5	14	60.9	24	52.0	34	41.3	44	30.0		
6	75.0	26	68.3	16	60.8	26	51.8	36	41.1	46	29.8		
8	74.8	28	68.2	18	60.6	28	51.6	38	40.9	48	29.6		
2	74.6	30	68.1	20	60.4	30	51.4	40	40.6	50	29.3		
4	74.5	32	68.0	22	60.3	32	51.2	42	40.4	52	29.1		
6	74.4	34	67.8	24	60.1	34	51.0	44	40.2	54	28.8		
8	74.3	36	67.7	26	59.9	36	50.8	46	40.0	56	28.6		
3	74.1	38	67.6	28	59.7	38	50.6	48	39.8	58	28.3		
4	74.0	40	67.5	30	59.5	40	50.4	50	39.6	60	28.1		
2	73.9	42	67.3	32	59.3	42	50.2	52	39.4	62	27.9		
4	73.7	44	67.2	34	59.1	44	50.0	54	39.1	64	27.7		
6	73.6	46	67.1	36	58.9	46	49.8	56	38.9	66	27.4		
8	73.4	48	66.9	38	58.7	48	49.6	58	38.6	68	27.2		
4	73.3	50	66.8	40	58.5	50	49.4	60	38.4	70	27.0		
2	73.2	52	66.7	42	58.3	52	49.2	62	38.2	72	26.7		
4	73.0	54	66.5	44	58.1	54	49.0	64	38.0	74	26.5		
6	72.9	56	66.4	46	57.9	56	48.8	66	37.8	76	26.3		
8	72.8	58	66.3	48	57.7	58	48.6	68	37.5	78	26.0		
5	72.6	60	66.1	50	57.6	60	48.4	70	37.3	80	25.7		
2	72.5	62	66.0	52	57.4	62	48.2	72	37.0	82	25.5		
4	72.4	64	65.9	54	57.2	64	48.0	74	36.8	84	25.2		
6	72.3	66	65.7	56	57.1	66	47.8	76	36.6	86	25.0		
8	72.1	68	65.6	58	56.9	68	47.6	78	36.4	88	24.7		
6	72.0	70	65.4	60	56.8	70	47.4	80	36.2	90	24.5		
2	71.9	72	65.3	62	56.6	72	47.2	82	36.0	92	24.2		
4	71.8	74	65.1	64	56.5	74	47.0	84	35.8	94	24.0		
6	71.6	76	65.0	66	56.3	76	46.8	86	35.5	96	23.7		
8	71.5	78	64.8	68	56.1	78	46.6	88	35.3	98	23.5		
7	71.4	80	64.7	70	56.0	80	46.4	90	35.1	100	23.2		
2	71.2	82	64.5	72	55.8	82	46.2	92	34.9				
4	71.1	84	64.4	74	55.6	84	46.0	94	34.6				
6	71.0	86	64.2	76	55.4	86	45.8	96	34.4				
8	70.8	88	64.1	78	55.2	88	45.6	98	34.2				
8	70.7	90	63.9	80	55.1	90	45.3	100	34.0				
2	70.6	92	63.8	82	54.9	92	45.0		33.8				
4	70.5	94	63.6	84	54.7	94	44.8		33.5				
6	70.3	96	63.4	86	54.5	96	44.6		33.2				
8	70.2	98	63.2	88	54.3	98	44.4		33.0				
9	70.1	100	63.1	90	54.2	100	44.2		32.8				
2	69.9		62.9	92	54.0		44.0		32.6				
4	69.8		62.7	94	53.8		43.8		32.4				
6	69.7		62.6	96	53.6		43.5		32.1				
8	69.5		62.4	98	53.4		43.2		31.9				
10	69.4		62.2	100	53.3		43.0		31.7				

Temperature 81° F.

[GLASS HYDROMETER.

A

Temperature 82° F.

Divs on Stem A	Per cent over Proof	Divs on Stem A	Per cent. over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof
0		10	69 2	0	62 0	10	53 0	20	42 6	30	31 4		
2		2	69 1	2	61 8	2	52 9	2	42 4	2	31 1		
4		4	68 0	4	61 6	4	52 7	4	42 2	4	30 9		
6		6	68 8	6	61 4	6	52 5	6	42 0	6	30 7		
8	75 2	8	68 7	8	61 2	8	52 3	8	41 7	8	30 5		
1	75 1	11	68 5	1	61 1	11	52 1	21	41 5	31	30 3		
2	75 0	2	68 4	2	60 9	2	51 9	2	41 2	2	30 0		
4	74 8	4	68 3	4	60 7	4	51 7	4	41 0	4	29 8		
6	74 7	6	68 1	6	60 5	6	51 5	6	40 8	6	29 6		
8	74 6	8	68 0	8	60 4	8	51 3	8	40 6	8	29 4		
12	74 4	12	67 9	2	60 2	12	51 1	22	40 4	32	29 1		
2	74 3	2	67 8	2	60 0	2	50 9	2	40 2	2	29 0		
4	74 2	4	67 6	4	59 8	4	50 7	4	40 0	4	28 6		
6	74 1	6	67 5	6	59 6	6	50 5	6	39 7	6	28 4		
8	73 9	8	67 4	8	59 4	8	50 3	8	39 5	8	28 1		
3	73 8	13	67 3	3	59 2	13	50 0	23	39 3	33	27 0		
2	73 7	2	67 1	2	59 1	2	49 8	2	39 0	2	27 6		
4	73 5	4	67 0	4	58 9	4	49 6	4	38 8	4	27 4		
6	73 4	6	66 9	6	58 8	6	49 4	6	38 6	6	27 1		
8	73 2	8	66 7	8	58 6	8	49 2	8	38 4	8	26 9		
4	73 1	14	66 6	4	58 4	14	49 0	24	38 1	34	26 7		
2	73 0	2	66 5	2	58 2	2	48 8	2	37 9	2	26 4		
4	72 8	4	66 3	4	58 0	4	48 6	4	37 6	4	26 2		
6	72 7	6	66 2	6	57 8	6	48 4	6	37 4	6	25 9		
8	72 6	8	66 1	8	57 7	8	48 2	8	37 2	8	25 7		
5	72 4	15	66 0	5	57 6	15	48 0	25	37 0	35	25 4		
2	72 3	2	65 8	2	57 4	2	47 8	2	36 8	2	25 2		
4	72 2	4	65 7	4	57 2	4	47 6	4	36 5	4	24 9		
6	72 1	6	65 5	6	57 0	6	47 4	6	36 3	6	24 7		
8	71 9	8	65 4	8	56 8	8	47 2	8	36 1	8	24 4		
6	71 8	16	65 3	6	56 7	16	47 0	26	35 9	36	24 2		
2	71 7	2	65 1	2	56 6	2	46 8	2	35 7	2	23 9		
4	71 6	4	64 9	4	56 4	4	46 6	4	35 4	4	23 7		
6	71 4	6	64 8	6	56 2	6	46 4	6	35 2	6	23 4		
8	71 3	8	64 6	8	56 0	8	46 2	8	35 0	8	23 2		
7	71 2	17	64 5	7	55 8	17	46 0	27	34 8	37	22 9		
2	71 0	2	64 3	2	55 6	2	45 8	2	34 6	2	22 7		
4	70 9	4	64 2	4	55 4	4	45 6	4	34 4	4	22 4		
6	70 8	6	64 0	6	55 2	6	45 4	6	34 2	6	22 2		
8	70 6	8	63 9	8	55 0	8	45 2	8	33 9	8	21 9		
8	70 5	18	63 7	8	54 8	18	45 0	28	33 6	38	21 7		
2	70 4	2	63 5	2	54 6	2	44 8	2	33 4	2	21 4		
4	70 3	4	63 4	4	54 5	4	44 6	4	33 2	4	21 2		
6	70 1	6	63 2	6	54 3	6	44 4	6	33 0	6	20 9		
8	70 0	8	63 0	8	54 2	8	44 2	8	32 7	8	20 7		
9	69 9	19	62 9	9	54 0	19	44 0	29	32 5	39	20 4		
2	69 7	2	62 7	2	53 8	2	43 7	2	32 3	2	20 2		
4	69 6	4	62 5	4	53 6	4	43 5	4	32 0	4	19 9		
6	69 5	6	62 4	6	53 4	6	43 2	6	31 8	6	19 7		
8	69 3	8	62 2	8	53 2	8	42 9	8	31 6	8	19 4		
10	69 2	20	62 0	10	53 0	20	42 6	30	31 4	40	19 2		

## GLASS HYDROMETER.

Temperature 82° F.

Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof
40	13 2	50	5 4	60	9 2	70	23 6	80	48 6	90	76 8				
2	18 9	2	5 9	2	9 5	2	27 0	2	49 1	2	77 3				
4	18 6	4	4 9	4	9 8	4	27 3	4	49 6	4	77 9				
6	18 4	6	4 6	6	10 2	6	27 7	6	50 2	6	78 4				
8	18 2	8	4 3	8	10 5	8	28 1	8	50 7	8	79 0				
41	17 9	51	4 0	61	10 8	71	28 4	81	51 2	91	79 6				
2	17 7	2	3 6	2	11 1	2	28 8	2	51 7	2	80 2				
4	17 4	4	3 5	4	11 4	4	29 2	4	52 3	4	80 7				
6	17 2	6	3 2	6	11 8	6	29 6	6	52 8	6	81 3				
8	16 9	8	2 9	8	12 1	8	30 0	8	53 3	8	81 8				
42	16 6	52	2 6	62	12 4	72	30 4	82	53 9	92	82 3				
2	16 4	2	2 3	2	12 8	2	30 8	2	54 4	2	82 9				
4	16 1	4	2 0	4	13 1	4	31 2	4	55 0	4	83 4				
6	15 8	6	1 8	6	13 5	6	31 6	6	55 5	6	84 0				
8	15 5	8	1 5	8	13 8	8	32 0	8	56 0	8	84 5				
43	15 2	53	1 2	63	14 2	73	32 5	83	56 6	93	85 0				
2	14 9	2	0 9	2	14 5	2	32 9	2	57 2	2	85 6				
4	14 7	4	0 6	4	14 9	4	33 3	4	57 7	4	86 1				
6	14 4	6	0 3	6	15 2	6	33 8	6	58 3	6	86 6				
8	14 1	8		8	15 6	8	34 2	8	58 8	8	87 2				
44	13 9	54	0 2	64	15 9	74	34 6	84	59 4	94	87 7				
2	13 6	2	0 5	2	16 3	2	35 1	2	59 9	2	88 2				
4	13 3	4	0 8	4	16 6	4	35 6	4	60 5	4	88 8				
6	13 1	6	1 1	6	17 0	6	36 0	6	61 0	6	89 3				
8	12 8	8	1 4	8	17 3	8	36 4	8	61 6	8	89 8				
45	12 5	55	1 7	65	17 6	75	36 8	85	62 2	95	90 4				
2	12 2	2	2 0	2	18 0	2	37 3	2	62 8	2	90 9				
4	11 9	4	2 2	4	18 3	4	37 8	4	63 4	4	91 4				
6	11 7	6	2 5	6	18 6	6	38 2	6	63 9	6	91 9				
8	11 4	8	2 8	8	19 0	8	38 6	8	64 5	8	92 4				
46	11 1	56	3 1	66	19 4	76	39 1	86	65 1	96	93 0				
2	10 8	2	3 4	2	19 8	2	39 5	2	65 7	2	93 5				
4	10 5	4	3 7	4	20 1	4	40 0	4	66 3	4	94 0				
6	10 3	6	4 0	6	20 5	6	40 4	6	66 8	6	94 5				
8	10 0	8	4 3	8	20 8	8	40 9	8	67 4	8	95 0				
47	9 7	57	4 6	67	21 2	77	41 4	87	68 0	97	95 6				
2	9 4	2	4 0	2	21 6	2	41 9	2	68 6	2	96 1				
4	9 1	4	5 2	4	22 0	4	42 4	4	69 3	4	96 6				
6	8 8	6	5 5	6	22 3	6	42 8	6	69 9	6	97 1				
8	8 6	8	5 8	8	22 7	8	43 2	8	70 5	8	97 7				
48	8 3	58	6 1	68	23 0	78	43 7	88	71 1	98	98 2				
2	8 0	2	6 4	2	23 4	2	44 2	2	71 7	2	98 7				
4	7 7	4	6 7	4	23 7	4	44 7	4	72 2	4	99 3				
6	7 4	6	7 0	6	24 0	6	45 1	6	72 8	6	99 8				
8	7 1	8	7 3	8	24 4	8	45 6	8	73 4	8					
49	6 9	59	7 6	69	24 8	79	46 1	89	74 0	99					
2	6 6	2	7 9	2	25 1	2	46 6	2	74 6	2					
4	6 3	4	8 3	4	25 5	4	47 1	4	75 2	4					
6	6 0	6	8 6	6	25 9	6	47 6	6	75 8	6					
8	5 7	8	8 9	8	26 2	8	48 1	8	76 3	8					
50	5 4	60	9 2	70	26 6	80	48 6	90	76 8	100					

## GLASS HYDROMETER

A

Temperature 83° F.

Days on Stem A	Per cent over Proof	Days on Stem A	Per cent over Proof	Days on Stem	Per cent over Proof	Days on Stem	Per cent over Proof	Days on Stem	Per cent over Proof	Days on Stem	Per cent over Proof	Days on Stem	Per cent over Proof	Days on Stem	Per cent over Proof
0		10	69 0	0	61 7	10	52 8	20	42 4	30	31 1				
2		12	68 9	2	61 5	12	52 6	12	42 2	12	30 9				
4		4	68 7	4	61 4	4	52 4	4	42 0	4	30 7				
6	75 2	6	68 6	6	61 2	6	52 2	6	41 7	6	30 4				
8	75 1	8	68 5	8	61 0	8	52 0	8	41 4	8	30 2				
1	75 0	11	68 3	1	60 8	11	51 8	21	41 2	31	27 0				
2	74 8	12	68 2	2	60 6	12	51 6	22	41 0	32	26 8				
4	74 7	4	68 1	4	60 4	4	51 4	4	40 8	4	26 6				
6	74 6	6	67 9	6	60 3	6	51 2	6	40 6	6	26 3				
8	74 4	8	67 8	8	60 1	8	51 0	8	40 3	8	26 1				
12	74 2	12	67 7	2	60 0	12	50 8	22	40 0	32	25 9				
2	74 1	2	67 6	2	59 8	2	50 6	2	39 8	2	25 6				
4	74 0	4	67 4	4	59 6	4	50 4	4	39 6	4	25 4				
6	73 9	6	67 3	6	59 4	6	50 2	6	39 4	6	25 2				
8	73 7	8	67 2	8	59 2	8	50 0	8	39 2	8	27 9				
3	73 6	13	67 1	3	59 0	13	49 8	23	39 0	33	27 7				
2	73 5	2	66 9	2	58 8	2	49 6	2	38 7	2	27 4				
4	73 3	4	66 8	4	58 7	4	49 4	4	38 5	4	27 2				
6	73 2	6	66 7	6	58 6	6	49 2	6	38 2	6	26 9				
8	73 0	8	66 5	8	58 4	8	49 0	8	38 0	8	26 7				
4	72 9	14	66 4	4	58 2	14	48 8	24	37 8	34	26 4				
2	72 8	2	66 2	2	58 0	2	48 6	2	37 6	2	26 2				
4	72 6	4	66 1	4	57 8	4	48 4	4	37 4	4	26 0				
6	72 5	6	66 0	6	57 6	6	48 2	6	37 1	6	25 7				
8	72 4	8	65 9	8	57 4	8	48 0	8	36 9	8	25 5				
5	72 2	15	65 7	5	57 3	15	47 8	25	36 7	35	25 2				
2	72 1	2	65 6	2	57 2	2	47 6	2	36 4	2	25 0				
4	72 0	4	65 5	4	57 0	4	47 4	4	36 2	4	24 7				
6	71 9	6	65 3	6	56 8	6	47 2	6	36 0	6	24 5				
8	71 7	8	65 2	8	56 6	8	47 0	8	35 8	8	24 2				
6	71 6	16	65 0	6	56 4	16	46 8	26	35 6	36	24 0				
2	71 5	2	64 9	2	56 2	2	46 6	2	35 4	2	23 7				
4	71 4	4	64 7	4	56 0	4	46 4	4	35 2	4	23 5				
6	71 2	6	64 5	6	55 8	6	46 2	6	35 0	6	23 2				
8	71 1	8	64 4	8	55 6	8	46 0	8	34 7	8	23 0				
7	71 0	17	64 3	7	55 5	17	45 8	27	34 5	37	22 7				
2	70 8	2	64 1	2	55 4	2	45 6	2	34 3	2	22 5				
4	70 7	4	64 0	4	55 2	4	45 4	4	34 0	4	22 2				
6	70 6	6	63 8	6	55 0	6	45 2	6	33 8	6	22 0				
8	70 4	8	63 7	8	54 8	8	45 0	8	33 6	8	21 7				
8	70 3	18	63 5	8	54 6	18	44 8	28	33 4	38	21 5				
2	70 2	2	63 3	2	54 4	2	44 6	2	33 1	2	21 2				
4	70 1	4	63 1	4	54 2	4	44 3	4	32 9	4	21 0				
6	69 9	6	63 0	6	54 0	6	44 0	6	32 6	6	20 7				
8	69 8	8	62 8	8	53 8	8	43 8	8	32 4	8	20 5				
9	69 7	10	62 6	9	53 7	19	43 6	29	32 2	39	20 2				
2	69 5	2	62 5	2	53 6	2	43 4	2	32 0	2	20 0				
4	69 4	4	62 3	4	53 4	4	43 1	4	31 8	4	19 7				
6	69 3	6	62 0	6	53 2	6	42 8	6	31 5	6	19 4				
8	69 1	8	61 9	8	53 0	8	42 6	8	31 3	8	19 2				
10	69 0	20	61 7	10	52 8	20	42 4	30	31 1	40	18 9				

## GLASS HYDROMETER

Temperature 83° F.

Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof
40	18.9	50	5.1	60	9.5	70	27.0	80	49.0	90	77.0				
12	18.6	12	4.8	2	9.8	12	27.4	12	49.5	12	77.5				
4	18.3	4	4.5	4	10.1	4	27.7	4	50.0	4	78.1				
6	18.1	6	4.3	6	10.5	6	28.1	6	50.5	6	78.6				
8	17.8	8	3.9	8	10.8	8	28.4	8	51.0	8	79.2				
41	17.5	51	3.7	61	11.1	71	28.8	81	51.5	91	79.8				
2	17.3	2	3.4	2	11.4	2	29.2	2	52.0	2	80.4				
4	17.0	4	3.1	4	11.8	4	29.6	4	52.5	4	80.9				
6	16.8	6	2.8	6	12.1	6	30.0	6	53.1	6	81.5				
8	16.5	8	2.5	8	12.4	8	30.4	8	53.6	8	82.0				
42	16.2	52	2.2	62	12.8	72	30.8	82	54.2	92	82.5				
2	16.0	2	2.0	2	13.1	2	31.2	2	54.7	2	83.1				
4	15.7	4	1.7	4	13.4	4	31.6	4	55.3	4	83.6				
6	15.4	6	1.4	6	13.8	6	32.0	6	55.8	6	84.2				
8	15.2	8	1.1	8	14.1	8	32.4	8	56.4	8	84.7				
43	14.9	53	0.8	63	14.5	73	32.8	83	57.0	93	85.2				
2	14.6	2	0.6	2	14.9	2	33.2	2	57.6	2	85.8				
4	14.4	4	0.2	4	15.2	4	33.7	4	58.2	4	86.3				
6	14.1	6	0.1	6	15.6	6	34.1	6	58.7	6	86.8				
8	13.8	8	0.3	8	15.9	8	34.6	8	59.2	8	87.4				
44	13.6	54	0.6	64	16.2	74	35.0	84	59.7	94	87.9				
2	13.2	2	0.9	2	16.6	2	35.5	2	60.2	2	88.4				
4	13.0	4	1.2	4	17.0	4	36.0	4	60.8	4	89.0				
6	12.7	6	1.4	6	17.3	6	36.4	6	61.4	6	89.5				
8	12.4	8	1.7	8	17.6	8	36.8	8	62.0	8	90.0				
45	12.1	55	2.0	65	18.0	75	37.2	85	62.6	95	90.6				
2	11.8	2	2.3	2	18.3	2	37.7	2	63.1	2	91.1				
4	11.6	4	2.6	4	18.7	4	38.1	4	63.7	4	91.6				
6	11.3	6	2.9	6	19.0	6	38.6	6	64.2	6	92.1				
8	11.0	8	3.1	8	19.4	8	39.0	8	64.8	8	92.6				
46	10.7	56	3.4	66	19.8	76	39.5	86	65.4	96	93.2				
2	10.4	2	3.7	2	20.2	2	39.9	2	66.0	2	93.7				
4	10.2	4	4.0	4	20.5	4	40.4	4	66.6	4	94.2				
6	9.9	6	4.3	6	20.9	6	40.8	6	67.1	6	94.7				
8	9.6	8	4.6	8	21.2	8	41.3	8	67.7	8	95.2				
47	9.3	57	4.9	67	21.6	77	41.8	87	68.4	97	95.8				
2	9.0	2	5.2	2	21.9	2	42.2	2	69.0	2	96.3				
4	8.7	4	5.5	4	22.3	4	42.7	4	69.6	4	96.8				
6	8.5	6	5.8	6	22.6	6	43.2	6	70.2	6	97.3				
8	8.2	8	6.1	8	23.0	8	43.6	8	70.8	8	97.9				
48	7.9	58	6.4	68	23.3	78	44.1	88	71.4	98	98.4				
2	7.6	2	6.7	2	23.7	2	44.6	2	72.0	2	98.9				
4	7.3	4	7.0	4	24.1	4	45.1	4	72.5	4	99.4				
6	7.0	6	7.3	6	24.4	6	45.5	6	73.1	6	99.9				
8	6.8	8	7.6	8	24.8	8	46.0	8	73.6	8					
49	6.5	59	7.9	69	25.2	79	46.5	89	74.2	99					
2	6.2	2	8.2	2	25.5	2	47.0	2	74.8	2					
4	5.9	4	8.6	4	25.9	4	47.5	4	75.4	4					
6	5.6	6	8.9	6	26.3	6	48.0	6	76.0	6					
8	5.3	8	9.2	8	26.6	8	48.5	8	76.5	8					
50	5.1	60	9.5	70	27.0	80	49.0	90	77.0	100					

## GLASS HYDROMETER.

A

Temperature 84° F.

Divs on Stem A	Per cent. over Proof	Divs on Stem. A	Per cent. over Proof	Divs on Stem.	Per cent. over Proof	Divs on Stem.	Per cent. over Proof	Divs on Stem	Per cent. over Proof	Divs on Stem.	Per cent. over Proof
0		10	68 8	0	61 5	10	52 4	20	42 0	30	30 8
2		2	68 7	2	61 3	2	52 3	2	41 8	2	30 6
4	75 2	4	68 5	4	61 1	4	52 2	4	41 6	4	30 4
6	75 1	6	68 4	6	60 9	6	52 0	6	41 3	6	30 1
8	75 0	8	68 3	8	60 7	8	51 8	8	41 1	8	29 9
1	74 8	11	68 1	1	60 6	11	51 6	21	40 9	31	29 7
2	74 7	2	68 0	2	60 4	2	51 4	2	40 6	2	29 6
4	74 6	4	67 9	4	60 2	4	51 2	4	40 4	4	29 3
6	74 4	6	67 7	6	60 0	6	51 0	6	40 2	6	29 0
8	74 2	8	67 6	8	59 8	8	50 8	8	40 0	8	28 8
2	74 0	12	67 5	2	59 7	12	50 6	22	39 8	32	28 6
2	73 9	2	67 4	2	59 6	2	50 4	2	39 6	2	28 3
4	73 8	4	67 2	4	59 4	4	50 2	4	39 4	4	28 1
6	73 7	6	67 1	6	59 2	6	49 9	6	39 1	6	27 9
8	73 5	8	67 0	8	59 0	8	49 7	8	38 9	8	27 6
3	73 4	13	66 9	3	58 8	13	49 5	23	38 6	33	27 4
2	73 3	2	66 7	2	58 6	2	49 3	2	38 4	2	27 1
4	73 1	4	66 6	4	58 4	4	49 1	4	38 2	4	26 9
6	73 0	6	66 5	6	58 2	6	48 9	6	38 0	6	26 6
8	72 8	8	66 3	8	58 0	8	48 7	8	37 7	8	26 4
4	72 7	14	66 2	4	57 9	14	48 5	24	37 5	34	26 1
2	72 6	2	66 0	2	57 8	2	48 3	2	37 3	2	25 9
4	72 4	4	65 9	4	57 6	4	48 1	4	37 0	4	25 7
6	72 3	6	65 7	6	57 4	6	47 9	6	36 8	6	25 4
8	72 2	8	65 6	8	57 2	8	47 7	8	36 6	8	25 2
5	72 0	15	65 4	5	57 0	15	47 5	25	36 4	35	24 9
2	71 9	2	65 3	2	56 9	2	47 3	2	36 2	2	24 7
4	71 8	4	65 1	4	56 8	4	47 1	4	36 0	4	24 4
6	71 7	6	65 0	6	56 6	6	46 9	6	35 7	6	24 2
8	71 5	8	64 8	8	56 4	8	46 7	8	35 5	8	23 9
6	71 4	16	64 7	6	56 2	16	46 5	26	35 3	36	23 7
2	71 3	2	64 5	2	56 0	2	46 3	2	35 1	2	23 4
4	71 2	4	64 4	4	55 8	4	46 1	4	34 8	4	23 2
6	71 0	6	64 3	6	55 6	6	45 9	6	34 6	6	22 9
8	70 9	8	64 2	8	55 4	8	45 6	8	34 4	8	22 7
7	70 8	17	64 1	7	55 2	17	45 4	27	34 2	37	22 4
2	70 6	2	63 9	2	55 0	2	45 2	2	34 0	2	22 2
4	70 5	4	63 7	4	54 9	4	45 0	4	33 8	4	21 9
6	70 4	6	63 6	6	54 8	6	44 8	6	33 6	6	21 7
8	70 2	8	63 4	8	54 6	8	44 6	8	33 3	8	21 4
8	70 1	18	63 2	8	54 4	18	44 4	28	33 1	38	21 2
2	70 0	2	63 1	2	54 2	2	44 2	2	32 9	2	20 9
4	69 9	4	62 9	4	54 0	4	44 0	4	32 6	4	20 7
6	69 7	6	62 7	6	53 8	6	43 8	6	32 4	6	20 4
8	69 6	8	62 5	8	53 6	8	43 5	8	32 1	8	20 2
9	69 5	19	62 4	9	53 4	19	43 2	29	31 9	39	19 9
2	69 3	2	62 2	2	53 2	2	43 0	2	31 7	2	19 7
4	69 2	4	62 0	4	53 0	4	42 8	4	31 4	4	19 4
6	69 1	6	61 8	6	52 8	6	42 6	6	31 2	6	19 1
8	68 9	8	61 6	8	52 6	8	42 3	8	31 0	8	18 9
10	68 8	20	61 5	10	52 4	20	42 0	30	30 8	40	18 6

## GLASS HYDROMETER.

Temperature 84° F.

Dvs on Stem	Per cent over Proof	Dvs on Stem	Per cent over Proof	Dvs on Stem	Per cent under Proof	Dvs on Stem	Per cent under Proof	Dvs on Stem	Per cent under Proof	Dvs on Stem	Per cent under Proof	Dvs on Stem	Per cent under Proof
40	18 6	50	4 7	60	9 9	70	27 4	80	49 4	90	77 3		
2	18 3	2	4 5	2	10 2	2	27 8	2	49 9	2	77 8		
4	18 0	4	4 2	4	10 5	4	28 1	4	50 4	4	78 3		
6	17 8	6	3 9	6	10 9	6	28 5	6	50 9	6	78 8		
8	17 5	8	3 6	8	11 2	8	28 8	8	51 4	8	79 4		
41	17 2	51	3 3	61	11 5	71	29 2	81	51 9	91	80 9		
2	17 0	2	3 1	2	11 8	2	29 6	2	52 4	2	80 6		
4	16 7	4	2 8	4	12 2	4	30 0	4	53 0	4	81 1		
6	16 5	6	2 5	6	12 5	6	30 4	6	53 5	6	81 7		
8	16 2	8	2 2	8	12 8	8	30 8	8	54 0	8	82 2		
42	15 9	52	1 9	62	13 2	72	31 2	82	54 5	92	82 7		
2	15 7	2	1 6	2	13 5	2	31 6	2	55 0	2	83 3		
4	15 4	4	1 4	4	13 8	4	32 0	4	55 6	4	83 8		
6	15 1	6	1 1	6	14 2	6	32 4	6	56 2	6	84 4		
8	14 9	8	0 8	8	14 5	8	32 8	8	56 8	8	84 9		
43	14 6	53	0 5	63	14 9	73	33 2	83	57 3	93	85 4		
2	14 3	2	0 2	2	15 2	2	33 6	2	57 9	2	86 0		
4	14 1	4	0 1	4	15 6	4	34 1	4	58 4	4	86 5		
6	13 8	6	0 4	6	15 9	6	34 5	6	59 0	6	87 0		
8	13 5	8	0 7	8	16 3	8	35 0	8	59 5	8	87 6		
44	13 2	54	0 9	64	16 6	74	35 4	84	60 0	94	88 1		
2	12 9	2	1 2	2	17 0	2	35 9	2	60 6	2	88 6		
4	12 7	4	1 5	4	17 3	4	36 4	4	61 1	4	89 2		
6	12 4	6	1 8	6	17 7	6	36 8	6	61 6	6	89 7		
8	12 1	8	2 1	8	18 0	8	37 2	8	62 2	8	90 2		
45	11 8	55	2 4	65	18 4	75	37 6	85	62 8	95	90 8		
2	11 5	2	2 7	2	18 7	2	38 1	2	63 4	2	91 3		
4	11 2	4	2 9	4	19 1	4	38 6	4	64 0	4	91 8		
6	11 0	6	3 2	6	19 4	6	39 0	6	64 5	6	92 3		
8	10 7	8	3 5	8	19 8	8	39 4	8	65 1	8	92 8		
46	10 4	56	3 8	66	20 1	76	39 8	86	65 7	96	93 4		
2	10 1	2	4 1	2	20 5	2	40 2	2	66 2	2	93 9		
4	9 8	4	4 4	4	20 8	4	40 7	4	66 8	4	94 4		
6	9 6	6	4 7	6	21 2	6	41 2	6	67 4	6	94 9		
8	9 3	8	5 0	8	21 5	8	41 7	8	68 0	8	95 4		
47	9 0	57	5 3	67	21 9	77	42 2	87	68 6	97	96 0		
2	8 7	2	5 6	2	22 3	2	42 6	2	69 3	2	96 5		
4	8 4	4	5 9	4	22 6	4	43 0	4	69 9	4	97 0		
6	8 1	6	6 2	6	23 0	6	43 5	6	70 5	6	97 5		
8	7 9	8	6 5	8	23 4	8	44 0	8	71 1	8	98 1		
48	7 6	58	6 9	68	23 7	78	44 5	88	71 7	98	98 6		
2	7 3	2	7 1	2	24 1	2	45 0	2	72 3	2	99 1		
4	7 0	4	7 4	4	24 5	4	45 5	4	72 8	4	99 6		
6	6 7	6	7 7	6	24 8	6	45 9	6	73 4	6			
8	6 4	8	8 0	8	25 2	8	46 4	8	73 9	8			
49	6 2	59	8 3	69	25 6	79	46 9	89	74 5	99			
2	5 9	2	8 6	2	25 9	2	47 4	2	75 0	2			
4	5 6	4	8 9	4	26 3	4	47 9	4	75 6	4			
6	5 3	6	9 3	6	26 7	6	48 4	6	76 2	6			
8	5 0	8	9 6	8	27 0	8	48 9	8	76 7	8			
50	4 7	60	9 9	70	27 4	80	49 4	90	77 3	100			

## GLASS HYDROMETER

A

Temperature 85° F.

Dive on Stem A	Per cent over Proof	Dive on Stem A	Per cent over Proof	Dive on Stem	Per cent over Proof	Dive on Stem	Per cent over Proof	Dive on Stem	Per cent over Proof	Dive on Stem	Per cent over Proof	Dive on Stem	Per cent over Proof
0	73 1	10	68 5	0	61 1	10	52 3	20	41 7	30	30 4		
2	75 0	12	68 4	2	60 9	12	52 1	22	41 5	22	30 2		
4	74 8	4	68 3	4	60 8	4	51 9	4	41 2	4	30 0		
6	74 7	6	68 2	6	60 6	6	51 7	6	41 0	6	29 8		
8	74 6	8	68 0	8	60 4	8	51 5	8	40 8	8	29 6		
1	74 5	11	67 9	1	60 3	11	51 3	21	40 6	31	29 3		
2	74 3	2	67 8	2	60 1	2	51 1	2	40 4	2	29 1		
4	74 2	4	67 7	4	60 0	4	50 9	4	40 1	4	28 9		
6	74 1	6	67 5	6	59 9	6	50 7	6	39 9	6	28 6		
8	73 9	8	67 4	8	59 6	8	50 4	8	39 7	8	28 4		
12	73 8	12	67 3	12	59 4	12	50 2	22	39 5	32	28 2		
2	73 6	2	67 1	2	59 2	2	50 0	2	39 3	2	27 9		
4	73 5	4	67 0	4	59 0	4	49 8	4	39 0	4	27 7		
6	73 4	6	66 9	6	58 9	6	49 6	6	38 8	6	27 5		
8	73 2	8	66 7	8	58 8	8	49 4	8	38 6	8	27 2		
3	73 1	13	66 6	3	58 6	13	49 2	23	38 3	33	27 0		
2	73 0	2	66 5	2	58 4	2	49 0	2	38 1	2	26 8		
4	72 8	4	66 3	4	58 2	4	48 8	4	37 9	4	26 5		
6	72 7	6	66 2	6	58 0	6	48 6	6	37 6	6	26 3		
8	72 6	8	66 0	8	57 8	8	48 4	8	37 4	8	26 0		
4	72 5	14	65 9	4	57 7	14	48 2	24	37 2	34	25 8		
2	72 3	2	65 7	2	57 5	2	48 0	2	37 0	2	25 5		
4	72 2	4	65 6	4	57 3	4	47 8	4	36 8	4	25 3		
6	72 1	6	65 4	6	57 1	6	47 6	6	36 5	6	25 0		
8	72 0	8	65 3	8	57 0	8	47 4	8	36 3	8	24 8		
5	71 8	15	65 1	5	56 8	15	47 2	25	36 1	35	24 5		
2	71 7	2	65 0	2	56 6	2	47 0	2	35 9	2	24 3		
1	71 6	4	64 8	1	56 4	4	46 8	4	35 7	4	24 0		
6	71 4	6	64 7	6	56 2	6	46 6	6	35 4	6	23 8		
9	71 3	8	64 5	8	56 0	8	46 4	8	35 2	8	23 5		
6	71 2	16	64 4	6	55 9	16	46 2	26	35 0	36	23 3		
2	71 0	2	64 2	2	55 7	2	46 0	2	34 8	2	23 0		
4	70 9	4	64 1	4	55 5	4	45 8	4	34 5	4	22 8		
6	70 8	6	63 9	6	55 3	6	45 6	6	34 3	6	22 5		
8	70 7	8	63 8	8	55 2	8	45 4	8	34 1	8	22 3		
7	70 5	17	63 6	7	55 0	17	45 2	27	33 9	37	22 0		
2	70 4	2	63 4	2	54 8	2	45 0	2	33 7	2	21 8		
4	70 3	4	63 3	4	54 6	4	44 8	4	33 4	4	21 5		
6	70 1	6	63 1	6	54 4	6	44 6	6	33 2	6	21 3		
8	70 0	8	62 9	8	54 2	8	44 4	8	33 0	8	21 0		
8	69 9	18	62 8	8	54 1	18	44 2	28	32 8	38	20 8		
2	69 7	2	62 6	2	54 0	2	44 0	2	32 5	2	20 5		
4	69 6	4	62 4	4	53 8	4	43 7	4	32 3	4	20 3		
6	69 5	6	62 3	6	53 6	6	43 4	6	32 0	6	20 0		
8	69 3	8	62 1	8	53 4	8	43 2	8	31 8	8	19 8		
9	69 2	19	61 9	9	53 2	19	42 9	29	31 6	39	19 5		
2	69 1	2	61 8	2	53 0	2	42 7	2	31 4	2	19 3		
4	68 9	4	61 6	4	52 8	4	42 4	4	31 1	4	19 0		
6	68 8	6	61 4	6	52 6	6	42 2	6	30 9	6	18 7		
8	68 7	8	61 3	8	52 4	8	42 0	8	30 7	8	18 5		
10	68 5	20	61 1	10	52 3	20	41 7	30	30 4	40	19 2		

## GLASS HYDROMETER.

Temperature 85° F.

Days on Stem	Per cent over Proof	Days on Stem	Per cent over Proof	Days on Stem	Per cent under Proof	Days on Stem	Per cent under Proof	Days on Stem	Per cent under Proof	Days on Stem	Per cent under Proof	Days on Stem	Per cent under Proof	Days on Stem	Per cent under Proof
40	18 2	50	4 3	60	10 3	70	27 8	80	49 8	90	77 6				
2	18 0	2	4 1	2	10 6	2	28 1	2	50 3	2	78 0				
4	17 7	4	3 8	4	10 9	4	28 5	4	50 8	4	78 6				
6	17 5	6	3 6	6	11 3	6	28 8	6	51 3	6	79 1				
8	17 2	8	3 3	8	11 6	8	29 2	8	51 8	8	79 7				
41	16 9	51	3 0	61	11 9	71	29 6	81	52 3	91	80 2				
2	16 7	2	2 7	2	12 2	2	30 0	2	52 8	2	80 8				
4	16 4	4	2 4	4	12 6	4	30 4	4	53 3	4	81 3				
6	16 1	6	2 1	6	12 9	6	30 8	6	53 8	6	81 9				
8	15 8	8	1 8	8	13 2	8	31 2	8	54 4	8	82 4				
42	15 5	52	1 5	62	13 6	72	31 6	82	54 9	92	82 9				
2	15 3	2	1 2	2	13 9	2	32 0	2	55 4	2	83 5				
4	15 0	4	0 9	4	14 2	4	32 4	4	56 0	4	84 0				
6	14 7	6	0 7	6	14 6	6	32 8	6	56 6	6	84 6				
8	14 5	8	0 4	8	14 9	8	33 2	8	57 1	8	85 1				
43	14 2	53	0 1	63	15 3	73	33 6	83	57 6	93	85 6				
2	13 9	2	0 2	2	15 6	2	34 0	2	58 2	2	86 2				
4	13 7	4	0 4	4	16 0	4	34 5	4	58 8	4	86 7				
6	13 4	6	0 7	6	16 3	6	34 9	6	59 3	6	87 2				
8	13 1	8	1 0	8	16 6	8	35 4	8	59 8	8	87 8				
44	12 8	54	1 3	64	17 0	74	35 9	84	60 3	94	88 3				
2	12 5	2	1 6	2	17 4	2	36 3	2	60 9	2	88 9				
4	12 3	4	1 9	4	17 7	4	36 7	4	61 3	4	89 4				
6	12 0	6	2 2	6	18 0	6	37 1	6	62 0	6	89 9				
8	11 7	8	2 5	8	18 4	8	37 6	8	62 6	8	90 4				
45	11 4	55	2 8	65	18 7	75	38 0	85	63 2	95	91 0				
2	11 1	2	3 1	2	19 1	2	38 5	2	63 8	2	91 5				
4	10 8	4	3 3	4	19 4	4	38 9	4	64 3	4	92 0				
6	10 6	6	3 6	6	19 8	6	39 3	6	64 9	6	92 5				
8	10 3	8	3 9	8	20 2	8	39 8	8	65 5	8	93 0				
46	10 0	56	4 2	66	20 5	76	40 3	86	66 1	96	93 6				
2	9 7	2	4 5	2	20 9	2	40 7	2	66 6	2	94 1				
4	9 4	4	4 8	4	21 2	4	41 2	4	67 2	4	94 6				
6	9 2	6	5 1	6	21 6	6	41 6	6	67 8	6	95 1				
8	8 9	8	5 4	8	21 9	8	42 1	8	68 4	8	95 6				
47	8 6	57	5 7	67	22 3	77	42 6	87	69 0	97	96 2				
2	8 3	2	6 0	2	22 7	2	43 0	2	69 5	2	96 7				
4	8 0	4	6 3	4	23 0	4	43 5	4	70 1	4	97 2				
6	7 7	6	6 6	6	23 4	6	43 9	6	70 7	6	97 7				
8	7 5	8	6 9	8	23 8	8	44 6	8	71 3	8	98 3				
48	7 2	58	7 2	68	24 1	78	44 9	88	71 9	98	98 8				
2	6 9	2	7 5	2	24 5	2	45 4	2	72 5	2	99 3				
4	6 6	4	7 8	4	24 9	4	45 8	4	73 1	4	99 8				
6	6 3	6	8 1	6	25 2	6	46 3	6	73 7	6					
8	6 0	8	8 4	8	25 6	8	46 8	8	74 2	8					
49	5 8	59	8 7	69	26 0	79	47 2	89	74 8	99					
2	5 5	2	9 0	2	26 3	2	47 7	2	75 3	2					
4	5 2	4	9 4	4	26 7	4	48 2	4	75 9	4					
6	4 9	6	9 7	6	27 1	6	48 8	6	76 5	6					
8	4 6	8	10 0	8	27 4	8	49 3	8	77 0	8					
50	4 3	60	10 3	70	27 8	80	49 8	90	77 6	100					

## GLASS HYDROMETER.

A

Temperature 86° F.

Divs. on Stem A	Per cent over Proof	Divs. on Stem A	Per cent over Proof	Divs. on Stem	Per cent over Proof	Divs. on Stem	Per cent over Proof	Divs. on Stem	Per cent over Proof	Divs. on Stem	Per cent over Proof	Divs. on Stem	Per cent over Proof
0	75 0	10	68 4	0	60 9	10	52 0	20	41 4	30	30 2		
1	74 9	11	68 3	1	60 7	11	51 8	21	41 2	31	30 0		
2	74 7	12	68 2	2	60 6	12	51 6	22	41 0	32	29 7		
3	74 6	13	68 1	3	60 4	13	51 4	23	40 7	33	29 5		
4	74 4	14	67 9	4	60 2	14	51 2	24	40 5	34	29 3		
5	74 3	15	67 8	5	60 1	15	51 0	25	40 3	35	29 0		
6	74 2	16	67 7	6	59 9	16	50 8	26	40 0	36	28 8		
7	74 0	17	67 5	7	59 7	17	50 6	27	39 8	37	28 6		
8	73 9	18	67 4	8	59 5	18	50 4	28	39 6	38	28 3		
9	73 8	19	67 3	9	59 4	19	50 2	29	39 4	39	28 1		
10	73 6	20	67 1	10	59 2	20	50 0	30	39 2	40	27 9		
11	73 5	21	66 9	11	59 0	21	49 8	31	39 0		27 6		
12	73 4	22	66 8	12	58 8	22	49 6	32	38 7		27 4		
13	73 4	23	66 7	13	58 6	23	49 4	33	38 5		27 2		
14	73 3	24	66 5	14	58 5	24	49 2	34	38 2		26 9		
15	73 1	25	66 4	15	58 3	25	49 0	35	38 0		26 7		
16	73 0	26	66 3	16	58 1	26	48 8	36	37 8		26 5		
17	72 9	27	66 1	17	58 0	27	48 6	37	37 6		26 2		
18	72 7	28	66 0	18	57 8	28	48 4	38	37 3		26 0		
19	72 6	29	65 8	19	57 6	29	48 2	39	37 1		25 7		
20	72 5	30	65 7	20	57 4	30	48 0	40	36 9		25 5		
21	72 4	31	65 5	21	57 3	31	47 8	41	36 7		25 2		
22	72 2	32	65 4	22	57 1	32	47 6	42	36 4		25 0		
23	72 1	33	65 2	23	56 9	33	47 4	43	36 2		24 7		
24	72 0	34	65 1	24	56 7	34	47 2	44	36 0		24 5		
25	71 8	35	64 9	25	56 6	35	47 0	45	35 8		24 2		
26	71 7	36	64 8	26	56 4	36	46 8	46	35 6		24 0		
27	71 6	37	64 6	27	56 2	37	46 6	47	35 4		23 7		
28	71 5	38	64 5	28	56 0	38	46 4	48	35 2		23 5		
29	71 3	39	64 3	29	55 8	39	46 2	49	35 0		23 2		
30	71 2	40	64 2	30	55 6	40	46 0	50	34 7		23 0		
31	71 1	41	64 0	31	55 4	41	45 8	51	34 5		22 7		
32	70 9	42	63 9	32	55 3	42	45 6	52	34 2		22 5		
33	70 8	43	63 7	33	55 1	43	45 4	53	34 0		22 2		
34	70 7	44	63 6	34	54 9	44	45 2	54	33 8		22 0		
35	70 5	45	63 4	35	54 7	45	44 9	55	33 6		21 7		
36	70 4	46	63 2	36	54 6	46	44 7	56	33 4		21 5		
37	70 3	47	63 1	37	54 4	47	44 4	57	33 2		21 2		
38	70 1	48	62 9	38	54 2	48	44 2	58	33 0		21 0		
39	70 0	49	62 7	39	54 0	49	44 0	59	32 7		20 7		
40	69 9	50	62 6	40	53 8	50	43 8	60	32 4		20 5		
41	69 7	51	62 4	41	53 6	51	43 6	61	32 2		20 2		
42	69 5	52	62 2	42	53 4	52	43 4	62	32 0		20 0		
43	69 3	53	62 1	43	53 3	53	43 2	63	31 8		19 7		
44	69 2	54	61 9	44	53 1	54	42 8	64	31 5		19 5		
45	69 1	55	61 7	45	53 0	55	42 6	65	31 3		19 2		
46	69 0	56	61 6	46	52 8	56	42 4	66	31 1		19 0		
47	68 8	57	61 4	47	52 6	57	42 2	67	30 8		18 7		
48	68 7	58	61 2	48	52 4	58	41 9	68	30 6		18 4		
49	68 6	59	61 1	49	52 2	59	41 6	69	30 4		18 2		
50	68 4	60	60 9	50	52 0	60	41 4	70	30 2		17 9		

## GLASS HYDROMETER.

Temperature 86° F.

Divs. on Stem	Per cent over Proof	Divs. on Stem	Per cent over Proof	Divs. on Stem	Per cent under Proof	Divs. on Stem	Per cent under Proof	Divs. on Stem	Per cent under Proof	Divs. on Stem	Per cent under Proof	Divs. on Stem	Per cent under Proof
40	17.9	50	4.0	60	10.6	70	28.1	80	50.1	90	77.8		
2	17.7		3.8	2	10.9	2	28.5	2	50.6	2	78.2		
4	17.4		3.5	4	11.2	4	28.8	4	51.1	4	78.8		
6	17.2		3.2	6	11.6	6	29.2	6	51.6	6	79.3		
8	16.9		2.9	8	11.9	8	29.6	8	52.1	8	79.9		
41	16.6	51	2.6	61	12.2	71	30.0	81	52.6	91	80.4		
2	16.3		2.4	2	12.5	2	30.3	2	53.1	2	81.0		
4	16.0		2.1	4	12.9	4	30.8	4	53.6	4	81.5		
6	15.8		1.8	6	13.2	6	31.2	6	54.2	6	82.1		
8	15.7		1.5	8	13.6	8	31.6	8	54.7	8	82.6		
42	15.2	52	1.2	62	13.9	72	32.0	82	55.2	92	83.1		
2	15.0		0.9	2	14.3	2	32.4	2	55.8	2	83.7		
4	14.7		0.6	4	14.6	4	32.8	4	56.3	4	84.2		
6	14.4		0.4	6	15.0	6	33.2	6	56.9	6	84.8		
8	14.2		0.1	8	15.3	8	33.6	8	57.4	8	85.3		
43	13.9	53	0.2	63	15.6	73	34.0	83	58.0	93	85.8		
2	13.6		0.5	2	16.0	2	34.4	2	58.6	2	86.4		
4	13.4		0.8	4	16.4	4	34.9	4	59.1	4	86.9		
6	13.1		1.1	6	16.7	6	35.3	6	59.6	6	87.4		
8	12.8		1.4	8	17.0	8	35.8	8	60.1	8	88.0		
44	12.5	54	1.6	64	17.4	74	36.2	84	60.6	94	88.5		
2	12.2		1.9	2	17.7	2	36.7	2	61.2	2	89.0		
4	12.0		2.2	4	18.1	4	37.1	4	61.9	4	89.6		
6	11.7		2.5	6	18.4	6	37.5	6	62.3	6	90.1		
8	11.4		2.8	8	18.7	8	38.0	8	62.9	8	90.6		
45	11.1	55	3.1	65	19.1	75	38.4	85	63.5	95	91.2		
2	10.8		3.4	2	19.5	2	38.9	2	64.1	2	91.7		
4	10.5		3.6	4	19.9	4	39.3	4	64.6	4	92.2		
6	10.3		3.9	6	20.2	6	39.7	6	65.2	6	92.7		
8	10.0		4.2	8	20.6	8	40.2	8	65.8	8	93.2		
46	9.7	56	4.5	66	20.9	76	40.7	86	66.4	96	93.8		
2	9.4		4.8	2	21.3	2	41.1	2	66.9	2	94.3		
4	9.1		5.1	4	21.6	4	41.6	4	67.5	4	94.8		
6	8.9		5.4	6	22.0	6	42.0	6	68.1	6	95.3		
8	8.6		5.7	8	22.3	8	42.5	8	68.7	8	95.9		
47	8.3	57	6.0	67	22.7	77	42.9	87	69.3	97	96.4		
2	8.0		6.3	2	23.0	2	43.4	2	69.8	2	96.9		
4	7.7		6.6	4	23.4	4	43.9	4	70.4	4	97.4		
6	7.4		6.9	6	23.7	6	44.3	6	71.0	6	97.9		
8	7.2		7.2	8	24.1	8	44.8	8	71.6	8	98.5		
48	6.9	58	7.5	68	24.4	78	45.3	88	72.2	98	99.0		
2	6.6		7.8	2	24.8	2	45.7	2	72.8	2	99.5		
4	6.3		8.1	4	25.2	4	46.2	4	73.3	4	100.0		
6	6.0		8.4	6	25.5	6	46.7	6	73.9	6			
8	5.7		8.7	8	25.9	8	47.2	8	74.4	8			
49	5.5	59	9.0	69	26.3	79	47.6	89	75.0	99			
2	5.2		9.3	2	26.6	2	48.1	2	75.5	2			
4	4.9		9.7	4	27.0	4	48.6	4	76.1	4			
6	4.6		10.0	6	27.4	6	49.1	6	76.7	6			
8	4.3		10.3	8	27.7	8	49.6	8	77.2	8			
50	4.0	60	10.6	70	28.1	80	50.1	90	77.8	100			

Temperature 87° F.

A

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## GLASS HYDROMETER.

Temperature 87° F.

Dive on Stem	Per cent over Proof	Dive on Stem	Per cent over Proof	Dive on Stem	Per cent under Proof	Dive on Stem	Per cent under Proof	Dive on Stem	Per cent under Proof	Dive on Stem	Per cent under Proof
40	17 6	50	3 6	60	11 0	70	28 6	80	50 6	90	78 0
10	17 3	12	3 4	12	11 3	12	28 9	12	51 1	12	78 5
4	17 0	4	3 1	4	11 6	4	29 2	4	51 6	4	79 0
6	16 7	6	2 8	6	12 0	6	29 6	6	52 0	6	79 5
8	16 5	8	2 6	8	12 3	8	30 0	8	52 6	8	80 1
41	16 2	51	2 3	61	12 6	71	30 4	81	53 0	91	80 6
13	16 0	13	2 0	13	12 9	13	30 8	13	53 6	13	81 2
4	15 7	4	1 7	4	13 3	4	31 2	4	54 1	4	81 7
6	15 4	6	1 4	6	13 6	6	31 6	6	54 6	6	82 3
8	15 1	8	1 1	8	14 0	8	32 0	8	55 1	8	82 8
42	14 9	52	0 8	62	14 3	72	32 4	82	55 7	92	83 3
2	14 6	2	0 6	2	14 7	2	32 8	2	56 2	2	83 9
4	14 3	4	0 3	4	15 0	4	33 2	4	56 8	4	84 4
6	14 0	6		6	15 4	6	33 6	6	57 3	6	85 0
8	13 8	8	0 3	8	15 7	8	34 0	8	57 9	8	85 5
43	13 5	53	0 6	63	16 1	73	34 5	83	58 4	93	86 0
2	13 2	2	0 8	2	16 4	2	34 9	2	59 0	2	86 6
4	13 0	4	1 1	4	16 8	4	35 4	4	59 4	4	87 1
6	12 7	6	1 4	6	17 1	6	35 8	6	60 0	6	87 6
8	12 4	8	1 7	8	17 4	8	36 3	8	60 5	8	88 2
44	12 1	54	2 0	64	17 8	74	36 7	84	61 0	94	88 7
2	11 8	2	2 3	2	18 1	2	37 1	2	61 6	2	89 2
4	11 6	4	2 6	4	18 5	4	37 6	4	62 2	4	89 8
6	11 3	6	2 9	6	18 8	6	38 0	6	62 8	6	90 3
8	11 0	8	3 2	8	19 1	8	38 4	8	63 3	8	90 8
45	10 7	55	3 5	65	19 5	75	38 8	85	63 8	95	91 4
2	10 4	2	3 8	2	19 9	2	39 3	2	64 4	2	91 9
4	10 1	4	4 0	4	20 3	4	39 7	4	64 9	4	92 4
6	9 9	6	4 3	6	20 6	6	40 1	6	65 5	6	92 9
8	9 6	8	4 6	8	21 0	8	40 6	8	66 1	8	93 4
46	9 3	56	4 9	66	21 3	76	41 1	86	66 7	96	94 0
2	9 0	2	5 2	2	21 7	2	41 5	2	67 2	2	94 5
4	8 7	4	5 5	4	22 0	4	42 0	4	67 8	4	95 0
6	8 5	6	5 8	6	22 4	6	42 4	6	68 4	6	95 6
8	8 2	8	6 1	8	22 7	8	42 9	8	69 0	8	96 0
47	7 9	57	6 4	67	23 1	77	43 3	87	69 6	97	96 6
2	7 6	2	6 7	2	23 4	2	43 8	2	70 2	2	97 1
4	7 3	4	7 0	4	23 8	4	44 3	4	70 8	4	97 6
6	7 0	6	7 3	6	24 1	6	44 7	6	71 4	6	98 1
8	6 8	8	7 6	8	24 5	8	45 2	8	72 0	8	98 7
48	6 5	58	7 9	68	24 8	78	45 7	88	72 6	98	99 2
2	6 2	2	8 2	2	25 2	2	46 2	2	73 1	2	99 7
4	5 9	4	8 5	4	25 6	4	46 6	4	73 7	4	
6	5 6	6	8 8	6	25 9	6	47 1	6	74 2	6	
8	5 3	8	9 1	8	26 3	8	47 6	8	74 7	8	
49	5 1	59	9 4	69	26 6	79	48 0	89	75 3	99	
2	4 8	2	9 7	2	27 0	2	48 6	2	75 8	2	
4	4 5	4	10 1	4	27 3	4	49 1	4	76 4	4	
6	4 2	6	10 4	6	27 7	6	49 6	6	77 0	6	
8	3 9	8	10 7	8	28 1	8	50 1	8	77 5	8	
50	3 6	60	11 0	70	28 5	80	50 6	90	78 0	100	

## GLASS HYDROMETER

A

Temperature 88° F.

Dips on Stem A	Per cent over Proof	Dips on Stem A	Per cent over Proof	Dips on Stem	Per cent over Proof	Dips on Stem	Per cent over Proof	Dips on Stem	Per cent over Proof	Dips on Stem	Per cent over Proof	Dips on Stem	Per cent over Proof
0	74 6	10	68 1	0	60 4	10	51 4	20	40 7	30	29 5		
2	74 5	2	67 9	2	60 3	2	51 2	2	40 6	2	29 2		
4	74 3	4	67 8	4	60 1	4	51 0	4	40 4	4	29 0		
6	74 2	6	67 7	6	59 9	6	50 8	6	40 1	6	28 7		
8	74 0	8	67 5	8	59 7	8	50 6	8	39 9	8	28 5		
1	73 9	11	67 4	1	59 6	11	50 4	21	39 7	31	28 3		
2	73 8	2	67 3	2	59 4	2	50 2	2	39 4	2	28 0		
4	73 6	4	67 1	4	59 2	4	50 0	4	39 2	4	27 8		
6	73 5	6	67 0	6	59 0	6	49 8	6	39 0	6	27 5		
8	73 4	8	66 9	8	58 8	8	49 6	8	38 8	8	27 3		
12	73 2	12	66 7	2	58 7	12	49 4	22	38 5	32	27 1		
2	73 1	2	66 6	2	58 5	2	49 2	2	38 3	2	26 9		
4	73 0	4	66 5	4	58 3	4	49 0	4	38 1	4	26 7		
6	72 9	6	66 3	6	58 2	6	48 8	6	37 9	6	26 5		
8	72 7	8	66 2	8	58 0	8	48 6	8	37 6	8	26 2		
3	72 6	13	66 1	3	57 8	13	48 4	23	37 4	33	26 0		
2	72 5	2	65 9	2	57 6	2	48 2	2	37 1	2	25 7		
4	72 4	4	65 8	4	57 4	4	48 0	4	36 9	4	25 5		
6	72 2	6	65 6	6	57 3	6	47 8	6	36 7	6	25 3		
8	72 1	8	65 5	8	57 1	8	47 6	8	36 5	8	25 0		
4	72 0	14	65 3	4	56 9	14	47 4	24	36 3	34	24 8		
2	71 8	2	65 2	2	56 7	2	47 2	2	36 1	2	24 5		
4	71 7	4	65 0	4	56 5	4	47 0	4	35 8	4	24 3		
6	71 6	6	64 9	6	56 3	6	46 8	6	35 6	6	24 0		
8	71 4	8	64 7	8	56 1	8	46 6	8	35 4	8	23 8		
5	71 3	15	64 6	5	56 0	15	46 4	25	35 2	35	23 5		
2	71 2	2	64 4	2	55 8	2	46 2	2	34 9	2	23 3		
4	71 1	4	64 2	4	55 7	4	46 0	4	34 7	4	23 0		
6	70 9	6	64 0	6	55 5	6	45 8	6	34 5	6	22 8		
8	70 8	8	63 9	8	55 3	8	45 5	8	34 3	8	22 5		
6	70 6	16	63 7	6	55 1	16	45 3	26	34 1	36	22 3		
2	70 5	2	63 5	2	54 9	2	45 1	2	33 9	2	22 0		
4	70 4	4	63 4	4	54 7	4	44 9	4	33 6	4	21 8		
6	70 3	6	63 2	6	54 6	6	44 7	6	33 4	6	21 5		
8	70 1	8	63 1	8	54 4	8	44 5	8	33 2	8	21 3		
7	70 0	17	62 9	7	54 2	17	44 3	27	33 0	37	21 0		
2	69 9	2	62 7	2	54 1	2	44 1	2	32 8	2	20 8		
4	69 7	4	62 6	4	53 9	4	43 9	4	32 5	4	20 5		
6	69 6	6	62 4	6	53 7	6	43 7	6	32 3	6	20 3		
8	69 5	8	62 2	8	53 5	8	43 4	8	32 1	8	20 0		
8	69 3	18	62 1	8	53 3	18	43 1	28	31 8	38	19 8		
2	69 2	2	61 9	2	53 1	2	42 9	2	31 5	2	19 5		
4	69 1	4	61 7	4	52 9	4	42 7	4	31 3	4	19 3		
6	68 9	6	61 6	6	52 7	6	42 4	6	31 1	6	19 0		
8	68 8	8	61 4	8	52 5	8	42 2	8	30 9	8	18 8		
9	68 7	19	61 2	9	52 4	19	41 9	29	30 6	39	18 5		
2	68 6	2	61 1	2	52 2	2	41 7	2	30 4	2	18 3		
4	68 4	4	60 9	4	52 0	4	41 4	4	30 2	4	18 0		
6	68 3	6	60 7	6	51 8	6	41 2	6	30 0	6	17 7		
8	68 2	8	60 6	8	51 6	8	40 9	8	29 7	8	17 5		
10	68 1	20	60 4	10	51 4	20	40 7	30	29 5	40	17 2		

## GLASS HYDROMETER.

Temperature 88° F.

Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof
40	17 12	50	2 3	60	11 3	70	23 8	80	51 1	90	78 2				
2	16 3	2	2 0	2	11 7	2	22 9	2	51 5	2	78 7				
4	16 6	4	2 8	4	12 0	4	22 6	4	52 0	4	79 3				
6	16 4	6	2 5	6	12 4	6	30 0	6	52 5	6	79 8				
8	16 1	8	2 3	8	12 7	8	30 4	8	53 0	8	80 3				
41	15 8	51	12 0	61	13 0	71	30 8	81	53 5	91	80 8				
2	15 6	2	1 3	2	13 3	2	31 2	2	54 0	2	81 4				
4	15 3	4	1 4	4	13 7	4	31 6	4	54 5	4	81 9				
6	15 1	6	1 1	6	14 0	6	32 0	6	55 0	6	82 5				
8	14 8	8	0 8	8	14 4	8	32 4	8	55 5	8	83 0				
42	14 5	52	0 5	62	14 7	72	32 8	82	56 1	92	83 5				
2	14 3	2	0 2	2	15 1	2	33 2	2	56 6	2	84 1				
4	14 0	4	0 1	4	15 4	4	33 6	4	57 1	4	84 6				
6	13 7	6	0 3	6	15 7	6	31 0	6	57 7	6	85 2				
8	13 4	8	0 6	8	16 1	8	31 4	8	58 2	8	85 7				
43	13 2	53	0 9	63	16 5	73	31 9	83	58 8	93	86 2				
2	12 9	2	1 2	2	16 8	2	35 3	2	59 3	2	86 8				
4	12 6	4	1 5	4	17 2	4	35 8	4	59 9	4	87 3				
6	12 3	6	1 8	6	17 4	6	36 2	6	60 4	6	87 9				
8	12 0	8	2 1	8	17 8	8	36 6	8	61 0	8	88 4				
44	11 7	54	2 3	64	18 2	74	37 1	84	61 5	94	89 0				
2	11 5	2	2 6	2	18 5	2	37 6	2	62 0	2	89 5				
4	11 2	4	2 9	4	18 9	4	38 0	4	62 6	4	90 1				
6	10 9	6	3 2	6	19 2	6	38 4	6	63 2	6	90 6				
8	10 6	8	3 5	8	19 6	8	38 8	8	63 7	8	91 1				
45	10 3	55	3 8	65	20 0	75	39 3	85	64 2	95	91 6				
2	10 1	2	4 1	2	20 3	2	39 7	2	64 8	2	92 1				
4	9 8	4	4 4	4	20 7	4	40 2	4	65 3	4	92 6				
6	9 5	6	4 7	6	21 0	6	40 6	6	65 9	6	93 2				
8	9 2	8	5 0	8	21 4	8	41 1	8	66 5	8	93 7				
46	8 9	56	5 3	66	21 7	76	41 5	86	67 1	96	94 2				
2	8 6	2	5 6	2	22 1	2	42 0	2	67 7	2	94 7				
4	8 4	4	5 9	4	22 4	4	42 4	4	68 3	4	95 2				
6	8 1	6	6 2	6	22 8	6	42 9	6	68 8	6	95 8				
8	7 8	8	6 5	8	23 1	8	43 3	8	69 4	8	96 3				
47	7 5	57	6 8	67	23 5	77	43 8	87	70 0	97	96 8				
2	7 2	2	7 1	2	23 8	2	44 2	2	70 6	2	97 3				
4	6 9	4	7 4	4	24 2	4	44 7	4	71 2	4	97 9				
6	6 7	6	7 7	6	24 5	6	45 2	6	71 8	6	98 4				
8	6 4	8	8 0	8	24 9	8	45 6	8	72 3	8	98 9				
48	6 1	58	8 3	68	25 2	78	46 1	88	72 9	98	99 4				
2	5 8	2	8 6	2	25 6	2	46 6	2	73 4	2	99 9				
4	5 5	4	8 9	4	25 9	4	47 1	4	73 9	4					
6	5 3	6	9 2	6	26 2	6	47 5	6	74 5	6					
8	5 0	8	9 5	8	26 6	8	48 0	8	75 0	8					
49	4 7	59	9 8	69	27 0	79	48 8	89	75 5	99					
2	4 4	2	10 1	2	27 3	2	49 0	2	76 1	2					
4	4 1	4	10 4	4	27 7	4	49 8	4	76 6	4					
6	3 9	6	10 7	6	28 1	6	50 0	6	77 2	6					
8	3 6	8	11 0	8	28 4	8	50 6	8	77 7	8					
50	3 3	60	11 3	70	28 8	80	51 1	90	78 2	100					

## GLASS HYDROMETER.

A

Temperature 89° F.

Days on Stem A	Per cent over Proof	Days on Stem A	Per cent over Proof	Days on Stem	Per cent over Proof	Days on Stem	Per cent over Proof	Days on Stem	Per cent over Proof	Days on Stem	Per cent over Proof
C	74 4	10	67 9	0	60 2	10	51 -1	20	40 5	30	29 1
2	74 3	2	67 7	2	60 0	2	50 9	2	40 3	2	28 9
4	74 1	4	67 6	4	59 8	4	50 7	4	40 0	4	28 7
6	74 0	6	67 5	6	59 7	6	50 5	6	39 8	6	28 4
8	73 8	8	67 3	8	59 5	8	50 3	8	39 5	8	28 2
I	73 7	11	67 2	1	59 3	11	50 1	21	39 3	31	27 9
2	73 6	2	67 1	2	59 1	2	49 9	2	39 1	2	27 7
4	73 4	4	66 9	4	58 9	4	49 7	4	38 9	4	27 5
6	73 3	6	66 8	6	58 8	6	49 5	6	38 7	6	27 2
8	73 2	8	66 7	8	58 6	8	49 3	8	38 5	8	27 0
2	73 0	12	66 5	2	58 5	12	49 1	22	38 2	32	26 7
2	72 9	2	66 4	2	58 3	2	48 9	2	38 0	2	26 5
4	72 8	4	66 3	4	58 1	4	48 7	4	37 7	4	26 3
6	72 7	6	66 1	6	57 9	6	48 5	6	37 5	6	26 0
8	72 5	8	66 0	8	57 7	8	48 3	8	37 3	8	25 8
3	72 4	13	65 8	3	57 5	13	48 1	23	37 1	33	25 6
2	72 3	2	65 7	2	57 4	2	47 9	2	36 8	2	25 3
4	72 2	4	65 5	4	57 2	4	47 7	4	36 6	4	25 1
6	72 0	6	65 4	6	57 0	6	47 5	6	36 4	6	24 9
8	71 9	8	65 2	8	56 8	8	47 3	8	36 2	8	24 6
4	71 8	14	65 1	4	56 7	14	47 1	24	35 9	34	24 4
2	71 6	2	64 9	2	56 5	2	46 9	2	35 7	2	24 1
4	71 5	4	64 8	4	56 3	4	46 7	4	35 5	4	23 9
6	71 4	6	64 6	6	56 1	6	46 5	6	35 3	6	23 6
8	71 2	8	64 5	8	55 9	8	46 3	8	35 1	8	23 4
5	71 1	15	64 3	5	55 7	15	46 1	25	34 9	35	23 1
2	71 0	2	64 2	2	55 5	2	45 9	2	34 7	2	22 9
4	70 9	4	64 0	4	55 4	4	45 7	4	34 5	4	22 6
6	70 7	6	63 8	6	55 2	6	45 5	6	34 2	6	22 4
8	70 6	8	63 7	8	55 0	8	45 2	8	34 0	8	22 1
6	70 5	16	63 5	6	54 9	16	45 0	26	33 7	36	21 9
2	70 3	2	63 3	2	54 7	2	44 8	2	33 5	2	21 6
4	70 2	4	63 2	4	54 5	4	44 6	4	33 3	4	21 4
6	70 1	6	63 0	6	54 3	6	44 4	6	33 1	6	21 1
8	69 9	8	62 8	8	54 1	8	44 2	8	32 9	8	20 9
7	69 8	17	62 7	7	53 9	17	44 0	27	32 7	37	20 6
2	69 7	2	62 5	2	53 8	2	43 8	2	32 5	2	20 4
4	69 5	4	62 3	4	53 6	4	43 5	4	32 2	4	20 1
6	69 4	6	62 2	6	53 4	6	43 3	6	31 9	6	19 9
8	69 3	8	62 0	8	53 2	8	43 0	8	31 7	8	19 6
8	69 1	18	61 8	8	53 1	18	42 7	28	31 5	38	19 4
2	69 0	2	61 7	2	52 9	2	42 5	2	31 2	2	19 1
4	68 9	4	61 5	4	52 7	4	42 3	4	31 0	4	18 9
6	68 7	6	61 3	6	52 5	6	42 1	6	30 8	6	18 6
8	68 6	8	61 2	8	52 3	8	41 9	8	30 5	8	18 4
9	68 5	19	61 0	9	52 1	19	41 6	29	30 3	39	18 1
2	68 4	2	60 8	2	51 9	2	41 3	2	30 1	2	17 9
4	68 2	4	60 7	4	51 7	4	41 1	4	29 9	4	17 6
6	68 1	6	60 5	6	51 5	6	40 9	6	29 6	6	17 4
9	68 0	8	60 4	8	51 3	8	40 7	8	29 3	8	17 1
10	67 9	20	60 2	10	51 1	20	40 5	30	29 1	40	16 9

Temperature 89° F.

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## GLASS HYDRONETER.

A

Temperature 90° F.

Divs on Stem A	Per cent over Proof	Divs on Stem A	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof
0	74 2	10	67 7	0	59 9	10	50 8	20	40 1	30	28 8		
1	74 1	11	67 5	1	59 7	11	50 6	21	39 9	31	28 5		
2	73 9	12	67 4	2	59 5	12	50 4	22	39 7	32	28 3		
3	73 8	13	67 3	3	59 4	13	50 3	23	39 5	33	28 1		
4	73 6	14	67 1	4	59 2	14	50 0	24	39 3	34	27 9		
5	73 5	15	67 0	5	59 1	15	49 8	25	39 1	35	27 6		
6	73 4	16	66 9	6	58 9	16	49 6	26	38 8	36	27 3		
7	73 2	17	66 7	7	58 7	17	49 4	27	38 6	37	27 1		
8	73 1	18	66 6	8	58 5	18	49 2	28	38 3	38	26 9		
9	73 0	19	66 5	9	58 3	19	49 0	29	38 1	39	26 7		
10	72 8	20	66 3	10	58 1	20	48 8	30	37 9	40	26 4		
11	72 7	21	66 1	11	58 0	21	48 6	31	37 7	41	26 2		
12	72 6	22	66 0	12	57 8	22	48 4	32	37 4	42	25 9		
13	72 5	23	65 8	13	57 7	23	48 2	33	37 1	43	25 7		
14	72 3	24	65 7	14	57 5	24	48 0	34	36 9	44	25 4		
15	72 2	25	65 5	15	57 3	25	47 8	35	36 7	45	25 2		
16	72 1	26	65 4	16	57 1	26	47 6	36	36 5	46	24 9		
17	72 0	27	65 2	17	56 9	27	47 4	37	36 3	47	24 7		
18	71 8	28	65 1	18	56 7	28	47 2	38	36 1	48	24 4		
19	71 7	29	64 9	19	56 5	29	47 0	39	35 9	49	24 2		
20	71 6	30	64 8	20	56 3	30	46 8	40	35 7	50	23 9		
21	71 4	31	64 6	21	56 2	31	46 6	41	35 5	51	23 7		
22	71 3	32	64 5	22	56 0	32	46 4	42	35 2	52	23 4		
23	71 2	33	64 3	23	55 8	33	46 2	43	35 0	53	23 1		
24	71 1	34	64 2	24	55 6	34	46 0	44	34 8	54	22 9		
25	71 0	35	64 0	25	55 5	35	45 8	45	34 6	55	22 6		
26	70 9	36	63 9	26	55 3	36	45 6	46	34 3	56	22 3		
27	70 8	37	63 7	27	55 1	37	45 4	47	34 1	57	22 1		
28	70 7	38	63 5	28	54 9	38	45 1	48	33 9	58	21 8		
29	70 6	39	63 4	29	54 7	39	44 9	49	33 7	59	21 6		
30	70 5	40	63 2	30	54 6	40	44 7	50	33 4	60	21 3		
31	70 4	41	63 0	31	54 4	41	44 5	51	33 2	61	21 1		
32	70 3	42	62 9	32	54 2	42	44 3	52	33 0	62	20 9		
33	70 1	43	62 7	33	54 1	43	44 1	53	32 8	63	20 6		
34	70 0	44	62 5	34	53 9	44	43 9	54	32 5	64	20 4		
35	69 9	45	62 4	35	53 7	45	43 7	55	32 3	65	20 1		
36	69 7	46	62 2	36	53 5	46	43 5	56	32 1	66	19 9		
37	69 6	47	62 0	37	53 3	47	43 2	57	31 9	67	19 7		
38	69 5	48	61 9	38	53 1	48	42 9	58	31 6	68	19 4		
39	69 3	49	61 7	39	52 9	49	42 7	59	31 3	69	19 2		
40	69 2	50	61 5	40	52 7	50	42 5	60	31 1	70	18 9		
41	69 1	51	61 4	41	52 6	51	42 2	61	30 9	71	18 7		
42	68 9	52	61 2	42	52 4	52	42 0	62	30 7	72	18 5		
43	68 8	53	61 0	43	52 2	53	41 7	63	30 5	73	18 2		
44	68 7	54	60 9	44	52 0	54	41 5	64	30 3	74	18 0		
45	68 6	55	60 7	45	51 8	55	41 3	65	30 1	75	17 7		
46	68 5	56	60 5	46	51 6	56	41 0	66	29 8	76	17 5		
47	68 4	57	60 4	47	51 4	57	40 8	67	29 5	77	17 2		
48	68 3	58	60 2	48	51 2	58	40 6	68	29 3	78	17 0		
49	68 2	59	60 0	49	51 0	59	40 3	69	29 0	79	16 7		
50	68 1	60	59 9	50	50 8	60	40 1	70	28 8	80	16 5		

## GLASS HYDROMETER.

Temperature 90°-F.

Divs on Stem	Per cent. over Proof	Divs on Stem	Per cent. over Proof	Divs on Stem	Per cent. under Proof	Divs on Stem	Per cent. under Proof	Divs on Stem	Per cent. under Proof	Divs on Stem	Per cent. under Proof	Divs on Stem	Per cent. under Proof
40	16 5	50	12 6	60	12 1	70	29 6	80	51 9	90	78 7		
4 2	18 5	4 2	12 3	2	12 5	2	30 0	2	52 4	2	79 13		
4 4	15 9	4 4	12 0	4	12 8	4	30 4	4	52 8	4	79 8		
6 0	15 6	6 0	1 8	6 0	13 1	6 0	30 8	6 0	53 3	6 0	80 3		
8 2	15 4	8 2	1 5	8 2	13 5	8 2	31 2	8 2	53 8	8 2	80 8		
41	15 1	51	1 2	61	13 8	71	31 6	81	54 3	91	81 3		
4 2	14 9	4 2	0 9	2	14 1	2	32 0	2	54 8	2	81 9		
4 4	14 6	4 4	0 6	4	14 5	4	32 4	4	55 3	4	82 4		
6 0	14 3	6 0	0 3	6 0	14 8	6 0	32 8	6 0	55 8	6 0	82 9		
8 2	14 1	8 2		8 2	15 2	8 2	33 2	8 2	56 3	8 2	83 5		
42	13 8	52	0 3	62	15 5	72	33 7	82	56 9	92	84 0		
4 2	13 5	4 2	0 5	2	15 9	2	34 1	2	57 4	2	84 6		
4 4	13 2	4 4	0 8	4	16 2	4	34 6	4	57 9	4	85 1		
6 0	12 9	6 0	1 1	6 0	16 6	6 0	35 0	6 0	58 5	6 0	85 6		
8 2	12 7	8 2	1 4	8 2	16 9	8 2	35 4	8 2	59 0	8 2	86 2		
43	12 4	53	1 7	63	17 3	73	35 8	83	59 6	93	86 7		
4 2	12 1	4 2	1 9	2	17 6	2	36 2	2	60 1	2	87 3		
4 4	11 8	4 4	2 2	4	18 0	4	36 6	4	60 7	4	87 8		
6 0	11 5	6 0	2 5	6 0	18 3	6 0	37 1	6 0	61 2	6 0	88 4		
8 2	11 2	8 2	2 8	8 2	18 6	8 2	37 5	8 2	61 8	8 2	88 9		
44	10 9	54	3 1	64	19 0	74	38 0	84	62 3	94	89 5		
4 2	10 7	4 2	3 4	2	19 3	2	38 4	2	62 9	2	90 0		
4 4	10 4	4 4	3 7	4	19 7	4	38 9	4	63 4	4	90 6		
6 0	10 1	6 0	4 0	6 0	20 1	6 0	39 3	6 0	64 0	6 0	91 1		
8 2	9 8	8 2	4 3	8 2	20 4	8 2	39 7	8 2	64 5	8 2	91 6		
45	9 5	53	4 6	63	20 8	73	40 2	83	65 0	93	92 1		
4 2	9 3	4 2	4 9	2	21 1	2	40 6	2	65 6	2	92 6		
4 4	9 0	4 4	5 2	4	21 5	4	41 1	4	66 2	4	93 1		
6 0	8 7	6 0	5 5	6 0	21 8	6 0	41 5	6 0	66 8	6 0	93 7		
8 2	8 4	8 2	5 8	8 2	22 2	8 2	42 0	8 2	67 3	8 2	94 2		
46	8 1	56	6 1	66	22 5	76	42 4	86	67 9	96	94 7		
4 2	7 8	4 2	6 4	2	22 9	2	42 9	2	68 3	2	95 2		
4 4	7 6	4 4	6 7	4	23 2	4	43 3	4	69 1	4	95 7		
6 0	7 3	6 0	7 0	6 0	23 6	6 0	43 8	6 0	69 6	6 0	96 3		
8 2	7 0	8 2	7 3	8 2	23 9	8 2	44 1	8 2	70 2	8 2	96 8		
47	6 7	57	7 6	67	24 3	77	44 6	87	70 7	97	97 3		
4 2	6 4	4 2	7 9	2	24 6	2	45 1	2	71 3	2	97 8		
4 4	6 1	4 4	8 2	4	25 0	4	45 6	4	71 8	4	98 3		
6 0	5 9	6 0	8 5	6 0	25 3	6 0	46 0	6 0	72 4	6 0	98 8		
8 2	5 6	8 2	8 8	8 2	25 7	8 2	46 5	8 2	72 9	8 2	99 3		
48	5 3	58	9 1	68	26 0	78	47 0	88	73 5	98	99 8		
4 2	5 0	4 2	9 4	2	26 4	2	47 5	2	74 0	2			
4 4	4 7	4 4	9 7	4	26 7	4	48 0	4	74 5	4			
6 0	4 5	6 0	10 0	6 0	27 0	6 0	48 5	6 0	75 1	6 0			
8 2	4 3	8 2	10 3	8 2	27 4	8 2	49 0	8 2	75 6	8 2			
49	4 0	59	10 6	69	27 7	79	49 5	89	76 1	99			
4 2	3 7	4 2	10 9	2	28 1	2	50 0	2	76 7	2			
4 4	3 4	4 4	11 2	4	28 4	4	50 5	4	77 2	4			
6 0	3 2	6 0	11 5	6 0	28 8	6 0	50 9	6 0	77 7	6 0			
8 2	2 9	8 2	11 8	8 2	29 2	8 2	51 4	8 2	78 3	8 2			
50	2 6	60	12 1	70	29 6	80	51 9	90	78 7	100			

## GLASS HYDROMETER.

A

Temperature 91° F.

Dive on Stem A	Per cent over Proof	Dive on Stem A	Per cent over Proof	Dive on Stem	Per cent over Proof	Dive on Stem	Per cent over Proof	Dive on Stem	Per cent over Proof	Dive on Stem	Per cent over Proof	Dive on Stem	Per cent over Proof
0	74 0	10	67 5	0	59 7	10	50 5	20	39 8	30	28 5		
1	73 9	11	67 3	1	59 5	11	50 3	21	39 6	31	28 3		
2	73 7	12	67 1	2	59 3	12	50 1	22	39 4	32	28 1		
3	73 6	13	66 9	3	59 1	13	49 9	23	39 2	33	27 9		
4	73 4	14	66 7	4	58 9	14	49 7	24	39 0	34	27 7		
5	73 3	15	66 5	5	58 8	15	49 5	25	38 7	35	27 5		
6	73 2	16	66 4	6	58 7	16	49 3	26	38 5	36	27 3		
7	73 0	17	66 3	7	58 5	17	49 1	27	38 3	37	27 0		
8	72 9	18	66 2	8	58 3	18	48 9	28	38 0	38	26 8		
9	72 8	19	66 1	9	58 1	19	48 7	29	37 8	39	26 6		
10	72 6	20	66 0	10	57 9	20	48 5	30	37 5	40	26 4		
11	72 5		65 9	11	57 7		48 3		37 3		26 3		
12	72 4		65 8	12	57 5		48 1		37 1		26 1		
13	72 3		65 7	13	57 4		47 9		36 9		25 9		
14	72 1		65 6	14	57 2		47 7		36 7		25 8		
15	72 0		65 5	15	57 1		47 5		36 5		25 6		
16	71 9		65 3	16	56 9		47 3		36 3		25 4		
17	71 8		65 2	17	56 7		47 1		36 0		25 3		
18	71 6		65 1	18	56 5		46 9		35 8		25 1		
19	71 5		64 9	19	56 3		46 7		35 6		24 9		
20	71 4		64 7	20	56 1		46 5		35 3		24 8		
21	71 2		64 6		55 9		46 3		35 1		24 6		
22	71 1		64 5		55 7		46 1		34 9		24 4		
23	71 0		64 3		55 5		45 9		34 7		24 3		
24	70 8		64 1		55 3		45 7		34 5		24 1		
25	70 7		64 0		55 1		45 5		34 3		23 9		
26	70 6		63 9		55 0		45 3		34 0		23 8		
27	70 5		63 7		54 9		45 1		33 8		23 6		
28	70 3		63 5		54 7		44 9		33 6		23 4		
29	70 2		63 3		54 5		44 6		33 4		23 3		
30	70 1		63 2		54 3		44 4		33 1		23 1		
31	69 9		63 1		54 1		44 2		32 9		22 9		
32	69 8		62 9		53 9		44 0		32 7		22 8		
33	69 7		62 7		53 8		43 8		32 5		22 6		
34	69 5		62 6		53 6		43 5		32 2		22 5		
35	69 4		62 4		53 4		43 3		32 0		22 4		
36	69 3		62 2		53 3		43 1		31 8		22 2		
37	69 1		62 0		53 1		42 8		31 5		22 1		
38	69 0		61 8		52 9		42 6		31 3		21 9		
39	68 9		61 7		52 7		42 3		31 1		21 7		
40	68 7		61 5		52 5		42 1		30 9		21 5		
41	68 6		61 3		52 3		41 9		30 6		21 3		
42	68 5		61 1		52 1		41 7		30 4		21 1		
43	68 3		60 9		51 9		41 4		30 1		21 0		
44	68 2		60 7		51 7		41 1		29 9		20 7		
45	68 1		60 5		51 5		40 9		29 7		20 5		
46	68 0		60 4		51 3		40 7		29 4		20 3		
47	67 8		60 2		51 1		40 5		29 1		20 1		
48	67 7		60 0		50 9		40 3		28 9		19 8		
49	67 6		59 9		50 7		40 0		28 7		19 6		
50	67 5		59 7		50 5		39 8		28 5		19 4		

## GLASS HYDROMETER.

Temperature 91° F.

Divs on Stem	Per cent. over Proof	Divs on Stem	Per cent. over Proof	Divs on Stem	Per cent. under Proof	Divs on Stem	Per cent. under Proof	Divs on Stem	Per cent. under Proof	Divs on Stem	Per cent. under Proof	Divs on Stem	Per cent. under Proof
40	16 1	50	12 3	60	12 5	70	30 0	80	52 2	90	78 9		
4 12	15 9		12 0		12 8	12	30 4		52 2		78 9		
4 4	15 7		11 8		13 1	12	30 8		52 2		78 9		
6 0	15 4		11 5		13 5	4 4	31 2		53 1		80 0		
6 8	15 2		11 2		13 8	6 8	31 6		53 6		80 5		
41	14 9	51	0 0	61	14 2	71	32 0	81	54 1	91	81 5		
4 12	14 6		0 6		14 5	12	32 4		54 6		82 1		
4 4	14 3		0 3		14 9	12	32 8		55 1		82 6		
6 0	14 0				15 2	4 4	33 2		55 6		83 1		
6 8	13 8		0 3		15 6	6 8	33 6		56 1		83 6		
42	13 5	52	0 5	62	15 9	72	34 1	82	57 2	92	84 2		
4 12	13 2		0 8		16 3	12	34 5		57 7		84 8		
4 4	12 9		1 1		16 6	12	35 0		58 2		85 3		
6 0	12 6		1 4		17 0	4 4	35 4		58 8		85 8		
6 8	12 3		1 7		17 3	6 8	35 8		59 3		86 4		
43	12 1	53	2 0	63	17 7	73	36 2	83	59 9	93	86 9		
4 12	11 8		2 3		18 0	12	36 6		60 4		87 5		
4 4	11 5		2 6		18 4	12	37 0		61 0		88 0		
6 0	11 2		2 9		18 7	4 4	37 5		61 5		88 6		
6 8	10 9		3 2		19 0	6 8	38 0		62 1		89 1		
44	10 6	54	3 5	64	19 4	74	38 4	84	62 6	94	89 7		
4 12	10 4		3 8		19 8	12	38 8		63 2		90 2		
4 4	10 1		4 1		20 1	12	39 3		63 7		90 8		
6 0	9 8		4 4		20 5	4 4	39 7		64 3		91 3		
6 8	9 5		4 6		20 8	6 8	40 1		64 8		91 8		
45	9 2	55	4 9	65	21 2	75	40 5	85	65 4	95	92 3		
4 12	8 9		5 2		21 5	12	41 0		66 0		92 8		
4 4	8 7		5 5		21 9	12	41 4		66 6		93 3		
6 0	8 4		5 8		22 2	4 4	41 9		67 1		93 9		
6 8	8 1		6 1		22 5	6 8	42 3		67 7		94 4		
46	7 8	56	6 4	66	22 9	76	42 8	86	68 2	96	94 9		
4 12	7 5		6 7		23 2	12	43 2		68 8		95 4		
4 4	7 3		7 0		23 6	12	43 6		69 4		95 9		
6 0	7 0		7 3		23 9	4 4	44 1		69 9		96 5		
6 8	6 7		7 6		24 2	6 8	44 6		70 5		97 0		
47	6 4	57	7 9	67	24 6	77	45 0	87	71 0	97	97 5		
4 12	6 1		8 2		24 9	12	45 5		71 6		98 0		
4 4	5 8		8 5		25 3	12	46 0		72 1		98 5		
6 0	5 6		8 8		25 6	4 4	46 5		72 7		99 0		
6 8	5 3		9 1		26 0	6 8	47 0		73 2		99 5		
48	5 0	58	9 4	68	26 3	78	47 5	88	73 8	98	100 0		
4 12	4 7		9 6		26 7	12	48 0		74 3				
4 4	4 4		10 0		27 0	12	48 4		74 8				
6 0	4 2		10 3		27 4	4 4	48 9		75 3				
6 8	3 9		10 6		27 7	6 8	49 3		75 9				
49	3 6	59	10 9	69	28 1	79	49 8	89	76 4	99			
4 12	3 4		11 2		28 5	12	50 3		76 9				
4 4	3 1		11 5		28 9	12	50 7		77 4				
6 0	2 9		11 9		29 2	4 4	51 2		77 9				
6 8	2 6		12 2		29 6	6 8	51 7		78 4				
50	2 3	60	12 5	70	30 0	80	52 2	90	78 9	100			

A

Temperature 92° F.

Divs on Stem A	Per cent over Proof	Divs on Stem A	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof
0	73 8	10	67 3	0	59 4	10	50 2	20	39 5	30	28 1		
2	73 7	12	67 1	2	59 2	12	50 0	12	39 3	2	27 9		
4	73 5	4	67 0	4	59 0	4	49 8	4	39 1	4	27 7		
6	73 4	6	66 9	6	58 9	6	49 6	6	38 9	6	27 4		
8	73 2	8	66 7	8	58 7	8	49 4	8	38 6	8	27 2		
1	73 1	11	66 6	1	58 5	11	49 2	21	38 4	31	27 0		
2	73 0	2	66 5	2	58 4	2	49 0	2	38 1	2	26 8		
4	72 8	4	66 3	4	58 2	4	48 8	4	37 9	4	26 5		
6	72 7	6	66 2	6	58 0	6	48 6	6	37 7	6	26 2		
8	72 6	8	66 1	8	57 8	8	48 4	8	37 5	8	26 0		
2	72 4	12	65 9	2	57 6	12	48 2	12	37 2	12	25 7		
2	72 3	2	65 8	2	57 5	2	48 0	2	37 0	2	25 5		
4	72 2	4	65 6	4	57 3	4	47 8	4	36 8	4	25 2		
6	72 1	6	65 5	6	57 1	6	47 6	6	36 6	6	25 0		
8	71 9	8	65 3	8	56 9	8	47 4	8	36 3	8	24 7		
3	71 8	13	65 2	3	56 7	13	47 2	13	36 1	13	24 5		
2	71 7	2	65 1	2	56 6	2	47 0	2	35 9	2	24 3		
4	71 6	4	65 0	4	56 4	4	46 8	4	35 7	4	24 1		
6	71 4	6	64 9	6	56 2	6	46 6	6	35 5	6	23 8		
8	71 3	8	64 7	8	56 0	8	46 4	8	35 3	8	23 6		
4	71 2	14	64 5	4	55 8	14	46 2	14	35 1	14	23 3		
2	71 0	2	64 4	2	55 6	2	46 0	2	34 9	2	23 1		
4	70 9	4	64 3	4	55 5	4	45 8	4	34 6	4	22 8		
6	70 8	6	64 1	6	55 3	6	45 6	6	34 4	6	22 6		
9	70 6	8	63 9	8	55 1	8	45 4	8	34 1	8	22 4		
6	70 5	15	63 8	5	54 9	15	45 2	15	33 9	15	22 1		
2	70 4	2	63 6	2	54 7	2	45 0	2	33 7	2	21 9		
4	70 3	4	63 5	4	54 6	4	44 7	4	33 5	4	21 6		
6	70 1	6	63 3	6	54 4	6	44 5	6	33 3	6	21 4		
8	70 0	8	63 1	8	54 2	8	44 3	8	33 0	8	21 1		
6	69 9	16	63 0	6	54 0	16	44 1	16	32 8	16	20 9		
2	69 7	2	62 8	2	53 9	2	43 9	2	32 6	2	20 6		
4	69 6	4	62 7	4	53 7	4	43 7	4	32 3	4	20 4		
6	69 5	6	62 5	6	53 5	6	43 5	6	32 1	6	20 1		
8	69 3	8	62 3	8	53 3	8	43 2	8	31 9	8	19 9		
7	69 2	17	62 2	7	53 1	17	42 9	17	31 7	17	19 6		
2	69 1	2	62 0	2	53 0	2	42 7	2	31 5	2	19 4		
4	68 9	4	61 8	4	52 8	4	42 5	4	31 3	4	19 1		
6	68 8	6	61 6	6	52 6	6	42 3	6	31 0	6	18 9		
8	68 7	8	61 4	8	52 4	8	42 0	8	30 9	8	18 6		
8	68 5	18	61 2	8	52 2	18	41 8	18	30 5	18	18 4		
2	68 4	2	61 0	2	52 0	2	41 6	2	30 3	2	18 1		
4	68 3	4	60 9	4	51 8	4	41 3	4	30 1	4	17 9		
6	68 1	6	60 7	6	51 6	6	41 0	6	29 8	6	17 6		
8	68 0	8	60 5	8	51 4	8	40 8	8	29 5	8	17 4		
9	67 9	19	60 3	9	51 2	19	40 6	19	29 3	19	17 1		
2	67 8	2	60 1	2	51 1	2	40 4	2	29 1	2	16 9		
4	67 6	4	59 9	4	50 9	4	40 1	4	28 9	4	16 6		
6	67 5	6	59 7	6	50 7	6	39 9	6	28 6	6	16 3		
8	67 4	8	59 6	8	50 4	8	39 7	8	28 3	8	16 1		
10	67 3	20	59 4	10	50 2	20	39 5	20	28 1	20	15 8		

Temperature 92° F.

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## GLASS HYDROMETER.

A

Temperature 93° F.

Dips on Stem A	Per cent over Proof	Dips on Stem A	Per cent over Proof	Dips on Stem	Per cent over Proof	Dips on Stem	Per cent over Proof	Dips on Stem	Per cent over Proof	Dips on Stem	Per cent over Proof	Dips on Stem	Per cent over Proof
0	73 6	10	67 1	0	59 1	10	49 9	20	39 2	30	27 8		
2	73 5	12	66 9	2	59 0	2	49 7	2	39 0	2	27 5		
4	73 3	4	66 8	4	58 8	4	49 5	4	38 7	4	27 3		
6	73 2	6	66 7	6	58 7	6	49 3	6	38 5	6	27 1		
8	73 0	8	66 5	8	58 5	8	49 1	8	38 3	8	26 9		
1	72 9	11	66 4	1	58 3	11	48 0	21	38 1	31	26 6		
2	72 8	2	66 2	2	58 1	2	48 8	2	37 8	2	26 3		
1	72 6	4	66 1	4	57 9	4	48 6	4	37 6	4	26 1		
6	72 5	0	65 9	6	57 7	6	48 4	6	37 3	6	25 9		
8	72 4	8	65 8	8	57 5	8	48 2	8	37 1	8	25 7		
2	72 2	12	65 6	2	57 4	12	48 0	22	36 9	32	25 4		
2	72 1	2	65 5	2	57 3	2	47 8	2	36 7	2	25 1		
4	72 0	4	65 3	4	57 1	4	47 6	4	36 5	4	24 9		
6	71 9	6	65 2	6	56 9	6	47 1	6	36 3	6	24 7		
8	71 7	8	65 0	8	56 7	8	47 2	8	36 0	8	24 4		
3	71 6	13	64 9	3	56 5	13	46 9	23	35 8	33	24 2		
2	71 5	2	64 7	2	56 3	2	46 7	2	35 6	2	23 9		
4	71 4	4	64 6	4	56 1	4	46 5	4	35 4	4	23 7		
0	71 2	6	64 4	6	55 9	6	46 3	6	35 2	6	23 4		
8	71 1	8	64 3	8	55 7	8	46 1	8	35 0	8	23 2		
4	71 0	14	64 1	4	55 5	14	45 9	24	34 7	34	22 9		
2	70 8	2	63 9	2	55 4	2	45 7	2	34 5	2	22 6		
4	70 7	4	63 8	4	55 2	4	45 5	4	34 3	4	22 3		
6	70 6	6	63 6	6	55 0	6	45 3	6	34 1	6	22 1		
8	70 4	8	63 5	8	54 8	8	45 1	8	33 8	8	21 9		
5	70 3	15	63 3	5	54 6	15	44 9	25	33 6	35	21 6		
2	70 2	2	63 2	2	54 5	2	44 7	2	33 4	2	21 3		
4	70 1	4	63 0	4	54 3	4	44 4	4	33 2	4	21 1		
6	69 9	6	62 8	6	54 1	6	44 2	6	32 9	6	20 9		
8	69 8	8	62 7	8	53 9	8	44 0	8	32 7	8	20 6		
6	69 7	16	62 5	6	53 8	16	43 8	26	32 5	36	20 3		
2	69 5	2	62 3	2	53 6	2	43 6	2	32 3	2	20 1		
4	69 4	4	62 2	4	53 4	4	43 3	4	32 0	4	19 9		
6	69 3	6	62 0	6	53 2	6	43 1	6	31 8	6	19 6		
8	69 1	8	61 8	8	53 1	8	42 8	8	31 6	8	19 4		
7	69 0	17	61 7	7	52 9	17	42 6	27	31 4	37	19 1		
2	68 9	2	61 5	2	52 7	2	42 4	2	31 2	2	18 9		
4	68 7	4	61 3	4	52 5	4	42 1	4	30 9	4	18 7		
0	68 6	6	61 2	6	52 3	6	41 9	6	30 7	6	18 4		
8	68 5	8	61 0	8	52 1	8	41 7	8	30 5	8	18 1		
8	68 3	18	60 8	8	51 9	18	41 5	28	30 2	38	17 9		
2	68 2	2	60 7	2	51 7	2	41 2	2	29 9	2	17 6		
4	68 1	4	60 6	4	51 5	4	40 9	4	29 7	4	17 4		
6	67 9	6	60 4	6	51 3	6	40 7	6	29 5	6	17 1		
8	67 8	8	60 2	8	51 1	8	40 5	8	29 3	8	16 9		
9	67 7	19	60 0	9	50 9	19	40 3	29	29 1	39	16 6		
2	67 6	2	59 9	2	50 7	2	40 1	2	28 8	2	16 4		
4	67 4	4	59 7	4	50 5	4	39 8	4	28 5	4	16 2		
6	67 3	6	59 5	6	50 3	6	39 6	6	28 3	6	15 9		
8	67 2	8	59 3	8	50 1	8	39 4	8	28 0	8	15 7		
10	67 1	20	59 1	10	49 9	20	39 2	30	27 8	40	15 5		

### GLASS HYDROMETER.

Temperature 93° F.

Days on Stem		Per cent over Proof		Days on Stem		Per cent over Proof		Days on Stem		Per cent under Proof		Days on Stem		Per cent under Proof		Days on Stem		Per cent under Proof		Days on Stem		Per cent under Proof	
40	15 5	50	1 5	60	13 3	70	30 8	80	52 9	90	79 5												
12	15 2	12	1 12	12	13 7	12	31 2	12	53 4	12	80 0												
4	14 9	4	1 0	4	14 0	4	31 6	4	53 9	4	80 5												
6	14 6	6	0 7	6	14 3	6	32 0	6	54 3	6	81 0												
8	14 4	8	0 4	8	14 1	8	32 8	8	54 8	8	81 5												
11	14 1	51	0 1	61	15 0	71	33 8	81	55 2	91	82 0												
12	13 9	2	0 2	2	15 4	2	33 2	2	55 8	2	82 6												
4	13 6	1	0 4	4	15 7	4	33 6	4	56 3	4	83 1												
6	13 3	6	0 7	6	16 0	6	34 0	6	56 9	6	83 7												
8	13 0	8	1 0	8	16 4	8	34 5	8	57 4	8	84 2												
42	12 7	52	1 3	62	16 7	72	34 9	82	57 9	92	84 7												
12	12 5	2	1 5	2	17 1	2	35 3	2	58 5	2	85 3												
4	12 2	4	1 8	4	17 5	4	35 8	4	59 0	4	85 8												
6	11 9	6	2 1	6	17 8	6	36 2	6	59 5	6	86 3												
8	11 6	8	2 4	8	18 1	8	36 6	8	60 1	8	86 9												
43	11 3	53	2 7	63	18 4	73	37 0	83	60 6	93	87 4												
12	11 0	2	2 9	2	18 8	2	37 4	2	61 1	2	88 0												
4	10 8	4	3 2	4	19 2	4	37 9	4	61 7	4	88 5												
6	10 5	6	3 5	6	19 5	6	38 4	6	62 2	6	89 1												
8	10 2	8	3 8	8	19 9	8	38 8	8	62 8	8	89 6												
41	9 9	51	4 1	61	20 2	71	39 2	81	63 3	91	90 2												
12	9 6	2	4 4	2	20 6	2	39 6	2	63 9	2	90 7												
4	9 4	4	4 7	4	20 9	4	40 0	4	64 4	4	91 2												
6	9 1	6	5 0	6	21 3	6	40 5	6	65 0	6	91 7												
8	8 8	8	5 3	8	21 6	8	40 9	8	65 5	8	92 2												
45	8 5	55	5 6	65	22 0	75	41 3	85	66 1	95	92 7												
12	8 2	2	5 9	2	22 3	2	41 8	2	66 7	2	93 2												
4	7 9	4	6 2	4	22 7	4	42 2	4	67 2	4	93 7												
6	7 7	6	6 5	6	23 0	6	42 7	6	67 8	6	94 3												
8	7 4	8	6 8	8	23 3	8	43 1	8	68 3	8	94 8												
46	7 1	56	7 1	66	23 7	76	43 6	86	68 9	96	95 3												
12	6 8	2	7 4	2	24 0	2	44 1	2	69 4	2	95 8												
4	6 5	4	7 7	4	24 4	4	44 5	4	70 0	4	96 3												
6	6 3	6	8 0	6	24 7	6	44 9	6	70 5	6	96 9												
8	6 0	8	8 3	8	25 0	8	45 4	8	71 1	8	97 4												
47	5 7	57	8 6	67	25 4	77	45 9	87	71 6	97	97 9												
12	5 4	2	8 9	2	25 7	2	46 4	2	72 2	2	98 4												
4	5 1	1	9 2	1	26 1	1	46 9	1	72 7	1	98 9												
6	4 9	6	9 5	6	26 4	6	47 4	6	73 3	6	99 4												
8	4 6	8	9 8	8	26 8	8	47 9	8	73 8	8	99 9												
48	4 3	58	10 1	68	27 1	78	48 3	88	74 4	98													
12	4 0	2	10 4	2	27 5	2	48 8	2	74 9	2													
4	3 7	4	10 7	4	27 8	4	49 2	4	75 4	4													
6	3 5	6	11 0	6	28 2	6	49 7	6	75 9	6													
8	3 2	8	11 3	8	28 6	8	50 1	8	76 5	8													
49	3 0	59	11 7	69	28 9	79	50 6	89	77 0	99													
12	2 7	2	12 0	2	29 3	2	51 1	2	77 5	2													
4	2 4	4	12 3	4	29 7	4	51 5	4	78 0	4													
6	2 1	6	12 7	6	30 1	6	52 0	6	78 6	6													
8	1 8	8	13 0	8	30 5	8	52 5	8	79 1	8													
50	1 5	60	13 3	70	30 8	80	52 9	90	79 5	100													

## GLASS HYDROMETER.

A

Temperature 94° F.

Divs on Stem A	Per cent over Proof	Divs on Stem A	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof
0	73 4	10	66 0	0	58 9	10	49 7	20	39 9	30	27 5		
2	73 3	2	66 7	2	58 7	2	49 5	2	38 7	2	27 3		
4	73 1	4	66 6	4	58 5	4	49 3	4	38 4	4	27 0		
6	73 0	6	66 5	6	58 4	6	49 1	6	38 2	6	26 9		
8	72 8	8	66 3	8	58 2	8	48 9	8	37 9	8	26 6		
1	72 7	11	66 2	1	58 0	11	48 7	21	37 7	31	26 3		
2	72 6	2	66 0	2	57 9	2	48 5	2	37 5	2	26 0		
4	72 4	4	65 9	4	57 7	4	48 3	4	37 3	4	25 8		
6	72 3	6	65 7	6	57 5	6	48 1	6	37 0	6	25 5		
8	72 2	8	65 6	8	57 3	8	47 9	8	36 8	8	25 3		
2	72 0	12	65 4	2	57 1	12	47 7	22	36 6	32	25 0		
2	71 9	2	65 3	2	57 0	2	47 5	2	36 4	2	24 8		
4	71 8	4	65 1	4	56 8	4	47 3	4	36 1	4	24 5		
6	71 7	6	65 0	6	56 6	6	47 1	6	35 9	6	24 3		
8	71 5	8	64 8	8	56 4	8	46 9	8	35 7	8	24 1		
3	71 4	13	64 7	3	56 2	13	46 7	23	35 5	33	23 8		
2	71 3	2	64 5	2	56 1	2	46 5	2	35 3	2	23 6		
4	71 2	4	64 4	4	55 9	4	46 3	4	35 1	4	23 4		
6	71 0	6	64 2	6	55 7	6	46 0	6	34 9	6	23 1		
8	70 9	8	64 1	8	55 5	8	45 8	8	34 7	8	22 9		
4	70 8	14	63 9	4	55 3	14	45 6	24	34 4	34	22 6		
2	70 6	2	63 7	2	55 1	2	45 4	2	34 2	2	22 4		
4	70 5	4	63 6	4	54 9	4	45 2	4	33 9	4	22 1		
6	70 4	6	63 4	6	54 7	6	45 0	6	33 7	6	21 9		
8	70 2	8	63 2	8	54 5	8	44 7	8	33 5	8	21 7		
5	70 1	15	63 1	5	54 3	15	44 5	25	33 3	35	21 4		
2	70 0	2	62 9	2	54 2	2	44 3	2	33 1	2	21 2		
4	69 9	4	62 7	4	54 1	4	44 1	4	32 9	4	20 9		
6	69 7	6	62 6	6	53 9	6	43 9	6	32 6	6	20 7		
8	69 6	8	62 4	8	53 7	8	43 7	8	32 4	8	20 4		
6	69 5	16	62 2	6	53 5	16	43 5	26	32 1	36	20 2		
2	69 3	2	62 1	2	53 3	2	43 2	2	31 9	2	19 9		
4	69 2	4	61 9	4	53 1	4	42 9	4	31 7	4	19 7		
6	69 1	6	61 7	6	53 0	6	42 7	6	31 5	6	19 4		
8	68 9	8	61 6	8	52 8	8	42 5	8	31 3	8	19 2		
7	68 8	17	61 4	7	52 6	17	42 3	27	31 1	37	18 9		
2	68 7	2	61 2	2	52 4	2	42 1	2	30 9	2	18 7		
4	68 5	4	61 1	4	52 2	4	41 8	4	30 7	4	18 4		
6	68 4	6	60 9	6	52 0	6	41 6	6	30 3	6	18 2		
8	68 3	8	60 7	8	51 8	8	41 3	8	30 1	8	17 9		
8	68 1	18	60 6	8	51 7	18	41 1	28	29 9	38	17 7		
2	68 0	2	60 4	2	51 5	2	40 8	2	29 6	2	17 4		
4	67 9	4	60 2	4	51 3	4	40 6	4	29 4	4	17 2		
6	67 7	6	60 1	6	51 1	6	40 4	6	29 1	6	16 9		
8	67 6	8	60 0	8	50 9	8	40 2	8	28 9	8	16 7		
9	67 5	19	59 8	9	50 7	19	39 9	29	28 6	39	16 4		
2	67 4	2	59 6	2	50 5	2	39 7	2	28 4	2	16 2		
4	67 2	4	59 4	4	50 3	4	39 5	4	28 1	4	15 9		
6	67 1	6	59 3	6	50 1	6	39 3	6	27 9	6	15 7		
8	67 0	8	59 1	8	49 8	8	39 1	8	27 7	8	15 4		
10	66 9	20	58 9	10	49 7	20	38 9	30	27 5	40	15 2		

Temperature 94° F.

113

## GLASS HYDROMETER.

A

Temperature 95° F.

Divs on Stem A	Per cent over Proof	Divs on Stem A	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof
0	73 1	10	66 0	0	58 6	10	49 4	20	38 5	30	27 2	2	26 9
2	73 0	12	66 5	2	58 4	2	49 2	2	38 3	2	26 9	4	26 7
4	72 8	4	66 3	4	58 2	4	49 0	4	38 1	4	26 7	6	26 4
6	72 7	6	66 2	6	58 1	6	48 8	6	37 9	6	26 4	8	26 2
8	72 6	8	66 0	8	57 9	8	48 6	8	37 6	8	26 2	10	25 9
1	72 5	11	65 9	1	57 7	11	48 4	21	37 4	31	25 9	2	25 7
2	72 3	2	65 7	2	57 6	2	48 2	2	37 1	2	25 7	4	25 5
4	72 2	4	65 6	4	57 4	4	48 0	4	36 9	4	25 5	6	25 2
6	72 1	6	65 4	6	57 3	6	47 8	6	36 7	6	25 2	8	24 9
8	72 0	8	65 3	8	57 1	8	47 6	8	36 5	8	24 9	10	24 7
2	71 8	12	65 1	2	56 9	12	47 4	22	36 3	32	24 7	2	24 5
2	71 7	2	65 0	2	56 7	2	47 2	2	36 1	2	24 5	4	24 2
4	71 6	4	64 8	4	56 5	4	47 0	4	35 9	4	24 2	6	24 0
6	71 4	6	64 7	6	56 3	6	46 8	6	35 7	6	24 0	8	23 7
8	71 3	8	64 5	8	56 1	8	46 6	8	35 4	8	23 7	10	23 5
3	71 2	13	64 4	3	55 9	13	46 3	23	35 2	33	23 5	2	23 2
2	71 0	2	64 2	2	55 8	2	46 1	2	35 0	2	23 2	4	23 0
4	70 9	4	64 1	4	55 6	4	45 9	4	34 8	4	23 0	6	22 7
6	70 8	6	63 9	6	55 4	6	45 7	6	34 5	6	22 7	8	22 5
8	70 7	8	63 8	8	55 2	8	45 5	8	34 3	8	22 5	10	22 3
4	70 5	14	63 6	4	55 0	14	45 3	24	34 1	34	22 3	2	22 0
2	70 4	2	63 4	2	54 9	2	45 1	2	33 9	2	22 0	4	21 7
4	70 3	4	63 3	4	54 7	4	44 9	4	33 7	4	21 7	6	21 4
6	70 1	6	63 1	6	54 5	6	44 7	6	33 5	6	21 4	8	21 2
8	70 0	8	62 9	8	54 3	8	44 4	8	33 2	8	21 2	10	20 9
5	69 9	15	62 8	5	54 1	15	44 2	25	33 0	25	20 9	2	20 7
2	69 7	2	62 6	2	53 9	2	44 0	2	32 7	2	20 7	4	20 5
1	69 6	4	62 4	4	53 8	4	43 8	4	32 5	4	20 5	6	20 2
6	69 5	0	62 3	0	53 6	6	43 6	6	32 3	6	20 2	8	20 0
8	69 3	8	62 1	8	53 5	8	43 4	8	32 1	8	20 0	10	19 7
6	69 2	16	61 9	6	53 3	16	43 1	26	31 9	36	19 7	2	19 4
2	69 1	2	61 8	2	53 1	2	42 9	2	31 7	2	19 4	4	19 2
4	68 9	4	61 6	4	52 9	4	42 6	4	31 4	4	19 2	6	18 9
6	68 8	6	61 4	6	52 7	6	42 4	6	31 2	6	18 9	8	18 7
8	68 7	8	61 3	8	52 5	8	42 1	8	30 9	8	18 7	10	18 5
7	68 5	17	61 1	7	52 3	17	41 9	27	30 7	37	18 5	2	18 2
2	68 4	2	60 9	2	52 1	2	41 7	2	30 5	2	18 2	4	18 0
4	68 3	4	60 8	4	51 9	4	41 5	4	30 3	4	18 0	6	17 7
6	68 2	6	60 6	6	51 7	6	41 2	6	30 0	6	17 7	8	17 5
8	68 0	8	60 4	8	51 5	8	41 0	8	29 8	8	17 5	10	17 2
8	67 9	18	60 3	8	51 3	18	40 8	28	29 5	38	17 2	2	16 9
2	67 8	2	60 1	2	51 2	2	40 5	2	29 3	2	16 9	4	16 7
4	67 7	4	59 9	4	51 0	4	40 3	4	29 1	4	16 7	6	16 4
6	67 5	6	59 8	6	50 8	6	40 1	6	28 9	6	16 4	8	16 2
8	67 4	8	59 6	8	50 6	8	39 9	8	28 7	8	16 2	10	16 0
9	67 3	19	59 4	9	50 3	19	39 6	29	28 5	39	16 0	2	15 7
2	67 1	2	59 3	2	50 1	2	39 4	2	28 3	2	15 7	4	15 5
1	67 0	4	59 1	4	49 9	4	39 2	4	28 1	4	15 5	6	15 3
6	66 9	6	58 9	6	49 7	6	39 0	6	27 8	6	15 3	8	15 0
8	66 7	8	58 7	8	49 5	8	38 7	8	27 5	8	15 0	10	14 8
10	66 6	20	58 6	10	49 4	20	38 5	30	27 2	40	14 8		

## GLASS HYDROMETER.

Temperature 95° F.

Divs on Stem	Per cent. over Proof	Divs on Stem	Per cent. over Proof	Divs on Stem	Per cent. under Proof	Divs on Stem	Per cent. under	Divs on Stem	Per cent. under Proof	Divs on Stem	Per cent. under Proof
40	14 8	50	0 8	60	14 1	70	31 5	80	53 7	90	80 1
2	14 5	2	0 5	2	14 5	2	31 0	2	53 2	2	80 0
4	14 2	4	0 2	4	14 0	4	32 3	4	54 1	4	81 1
6	13 9	6		6	15 2	6	32 7	6	55 1	6	81 6
8	13 6	8	0 3	8	15 5	8	33 2	8	55 6	8	82 1
41	13 4	51	0 6	61	15 9	71	33 6	81	56 1	91	82 6
2	13 1	2	0 9	2	16 2	2	34 0	2	56 6	2	83 2
4	12 8	4	1 2	4	16 5	4	34 5	4	57 1	4	83 7
6	12 5	6	1 5	6	16 8	6	34 9	6	57 7	6	84 3
8	12 3	8	1 8	8	17 2	8	35 4	8	58 2	8	84 8
42	12 0	52	2 1	62	17 5	72	35 8	82	58 7	92	85 3
2	11 7	2	2 3	2	17 9	2	36 2	2	59 3	2	85 9
4	11 4	4	2 6	4	18 2	4	36 6	4	59 8	4	86 4
6	11 1	6	2 9	6	18 5	6	37 0	6	60 3	6	86 9
8	10 8	8	3 2	8	18 8	8	37 4	8	60 9	8	87 5
43	10 5	53	3 5	63	19 2	73	37 8	83	61 4	93	88 0
2	10 2	2	3 7	2	19 6	2	38 3	2	61 9	2	88 6
4	10 0	4	4 0	4	20 0	4	38 7	4	62 5	4	89 1
6	9 7	6	4 3	6	20 3	6	39 2	6	63 0	6	89 6
8	9 4	8	4 6	8	20 7	8	39 6	8	63 5	8	90 2
44	9 1	54	4 9	64	21 1	74	40 0	84	64 1	94	90 7
2	8 8	2	5 2	2	21 5	2	40 4	2	64 6	2	91 2
4	8 6	4	5 5	4	21 8	4	40 9	4	65 2	4	91 7
6	8 3	6	5 8	6	22 2	6	41 3	6	65 7	6	92 2
8	8 0	8	6 1	8	22 5	8	41 8	8	66 3	8	92 7
45	7 7	55	6 4	65	22 8	75	42 2	85	66 8	95	93 2
2	7 4	2	6 7	2	23 2	2	42 7	2	67 4	2	93 7
4	7 1	4	7 0	4	23 5	4	43 1	4	67 9	4	94 2
6	6 9	6	7 3	6	23 8	6	43 5	6	68 5	6	94 7
8	6 6	8	7 6	8	24 1	8	43 9	8	68 8	8	95 2
46	6 3	56	7 9	66	24 5	76	44 4	86	69 0	96	95 8
2	6 0	2	8 2	2	24 8	2	44 8	2	70 1	2	96 3
4	5 8	4	8 5	4	25 2	4	45 3	4	70 7	4	96 8
6	5 5	6	8 8	6	25 5	6	45 8	6	71 2	6	97 3
8	5 2	8	9 1	8	25 8	8	46 3	8	71 8	8	97 9
47	4 9	57	9 4	67	26 2	77	46 8	87	72 3	97	98 3
2	4 6	2	9 7	2	26 5	2	47 3	2	72 9	2	98 8
4	4 3	4	10 0	4	26 9	4	47 7	4	73 4	4	99 3
6	4 1	6	10 3	6	27 2	6	48 2	6	73 9	6	99 8
8	3 9	8	10 6	8	27 5	8	48 7	8	74 5	8	
48	3 6	58	10 9	68	27 9	78	49 1	88	75 0	98	
2	3 3	2	11 2	2	28 2	2	49 6	2	75 5	2	
4	3 1	4	11 5	4	28 6	4	50 0	4	76 0	4	
6	2 8	6	11 8	6	28 9	6	50 5	6	76 5	6	
8	2 5	8	12 1	8	29 3	8	50 9	8	77 1	8	
49	2 3	59	12 5	69	29 6	79	51 4	89	77 6	99	
2	2 0	2	12 8	2	30 0	2	51 9	2	78 1	2	
4	1 7	4	13 1	4	30 4	4	52 3	4	78 6	4	
6	1 4	6	13 5	6	30 8	6	52 8	6	79 1	6	
8	1 1	8	13 8	8	31 2	8	53 3	8	79 6	8	
50	0 8	60	14 1	70	31 5	80	53 7	90	80 1	100	

## GLASS HYDROMETER.

A

Temperature 96° F

Dive on Stem A	Per cent over Proof	Dive on Stem A	Per cent over Proof	Dive on Stem	Per cent over Proof	Dive on Stem	Per cent over Proof	Dive on Stem	Per cent over Proof	Dive on Stem	Per cent over Proof	Dive on Stem	Per cent over Proof
0	72 9	10	66 4	0	58 4	10	49 1	20	38 2	30	26 0		
2	72 8	2	66 2	2	58 2	2	48 9	2	38 0	2	26 6		
4	72 6	4	66 1	4	58 0	4	48 7	4	37 7	4	26 4		
6	72 5	6	66 0	6	57 8	6	48 5	6	37 5	6	26 1		
8	72 4	8	65 8	8	57 7	8	48 3	8	37 3	8	25 9		
1	72 3	11	65 7	1	57 5	11	48 1	21	37 1	31	25 6		
2	72 1	2	65 5	2	57 3	2	47 9	2	36 8	2	25 3		
4	72 0	4	65 4	4	57 1	4	47 7	4	36 6	4	25 1		
6	71 9	6	65 2	6	57 0	6	47 5	6	36 4	6	24 9		
8	71 8	8	65 1	8	56 8	8	47 3	8	36 2	8	24 6		
2	71 6	12	64 9	2	56 6	12	47 1	22	36 0	32	24 3		
2	71 5	2	64 8	2	56 4	2	46 9	2	35 8	2	24 1		
4	71 4	4	64 6	4	56 2	4	46 7	4	35 5	4	23 9		
6	71 2	6	64 5	6	56 1	6	46 5	6	35 3	6	23 6		
8	71 1	8	64 3	8	55 9	8	46 3	8	35 1	8	23 3		
9	71 0	13	64 2	3	55 7	13	46 1	23	34 9	33	23 1		
2	70 8	2	64 0	2	55 5	2	45 9	2	34 7	2	22 8		
4	70 7	4	63 9	4	55 3	4	45 6	4	34 5	4	22 6		
6	70 6	6	63 7	6	55 1	6	45 4	6	34 2	6	22 3		
8	70 5	8	63 6	8	54 9	8	45 2	8	34 0	8	22 1		
4	70 3	14	63 4	4	54 7	14	45 0	24	33 8	34	21 8		
2	70 2	2	63 2	2	54 6	2	44 8	2	33 6	2	21 5		
4	70 1	4	63 1	4	54 4	4	44 6	4	33 3	4	21 3		
6	69 9	6	62 9	6	54 2	6	44 4	6	33 1	6	21 1		
8	69 8	8	62 7	8	54 0	8	44 1	8	32 9	8	20 9		
5	69 7	15	62 6	5	53 9	15	43 9	25	32 7	35	20 6		
2	69 5	2	62 4	2	53 7	2	43 7	2	32 4	2	20 3		
4	69 4	4	62 2	4	53 5	4	43 5	4	32 2	4	20 1		
6	69 3	6	62 1	6	53 3	6	43 3	6	32 0	6	19 8		
8	69 1	8	61 9	8	53 1	8	43 0	8	31 8	8	19 6		
6	69 0	10	61 7	6	53 0	10	42 7	20	31 5	30	19 4		
2	68 9	2	61 6	2	52 8	2	42 5	2	31 3	2	19 1		
4	68 7	4	61 4	4	52 6	4	42 3	4	31 1	4	18 9		
6	68 6	6	61 2	6	52 5	6	42 1	6	30 9	6	18 6		
8	68 5	8	61 1	8	52 3	8	41 8	8	30 6	8	18 4		
7	68 3	17	60 9	7	52 1	17	41 6	27	30 4	37	18 2		
2	68 2	2	60 7	2	51 9	2	41 4	2	30 2	2	18 0		
4	68 1	4	60 6	4	51 7	4	41 1	4	29 9	4	17 7		
6	68 0	6	60 4	6	51 5	6	40 9	6	29 7	6	17 5		
8	67 8	8	60 2	8	51 3	8	40 7	8	29 5	8	17 2		
8	67 7	18	60 1	8	51 1	18	40 5	28	29 2	38	17 0		
2	67 6	2	59 9	2	50 9	2	40 2	2	28 9	2	16 7		
4	67 5	4	59 7	4	50 7	4	40 0	4	28 7	4	16 5		
6	67 4	6	59 6	6	50 5	6	39 7	6	28 5	6	16 2		
8	67 2	8	59 4	8	50 3	8	39 5	8	28 3	8	16 0		
9	67 1	10	59 2	9	50 1	19	39 3	29	28 0	39	15 7		
2	66 9	2	59 1	2	49 9	2	39 1	2	27 8	2	15 5		
4	66 8	4	58 9	4	49 7	4	38 9	4	27 5	4	15 2		
6	66 7	6	58 7	6	49 5	6	38 7	6	27 3	6	14 9		
8	66 5	8	58 6	8	49 3	8	38 4	8	27 1	8	14 7		
10	66 4	20	58 4	10	49 1	20	38 2	30	26 9	40	14 4		

## GLASS HYDROMETER

Temperature 96° F

Days on Stem.		Per cent over Proof		Days on Stem.		Per cent under Proof		Days on Stem.		Per cent under Proof		Days on Stem.		Per cent under Proof		Days on Stem.		Per cent under Proof		Days on Stem.		Per cent under Proof	
40	14 4	50	0 4	60	14 5	70	41 9	80	54 0	90	86 3												
2	14 1	2	0 1	2	14 9	2	32 3	2	54 5	2	85 3												
4	13 8	4	0 2	4	15 3	4	32 7	4	55 0	4	81 3												
6	13 5	6	0 4	6	15 6	6	33 1	6	55 5	6	81 8												
8	13 2	8	0 6	8	15 9	8	33 6	8	56 0	8	82 3												
41	13 0	51	0 9	61	16 3	71	34 0	81	56 5	91	82 8												
2	12 7	2	1 2	2	16 6	2	34 4	2	57 0	2	83 4												
4	12 4	4	1 5	4	16 9	4	34 9	4	57 5	4	83 9												
6	12 1	6	1 8	6	17 3	6	35 3	6	58 0	6	84 5												
8	11 9	8	2 1	8	17 6	8	35 8	8	58 5	8	85 0												
42	11 6	52	2 4	62	17 9	72	36 2	82	59 0	92	85 5												
2	11 3	2	2 6	2	18 3	2	36 6	2	59 6	2	86 1												
4	11 0	4	2 9	4	18 6	4	37 0	4	60 1	4	86 6												
6	10 7	6	3 2	6	18 9	6	37 4	6	60 6	6	87 1												
8	10 5	8	3 5	8	19 3	8	37 8	8	61 2	8	87 5												
43	10 2	53	3 8	63	19 7	73	38 3	83	61 7	93	88 2												
2	9 9	2	4 0	2	20 1	2	38 7	2	62 2	2	88 8												
4	9 6	4	4 3	4	20 4	4	39 2	4	62 8	4	89 3												
6	9 3	6	4 6	6	20 7	6	39 6	6	63 3	6	89 8												
8	9 0	8	4 9	8	21 1	8	40 0	8	63 8	8	90 4												
44	8 7	54	5 2	64	21 5	74	40 4	84	64 4	94	90 8												
2	8 4	2	5 5	2	21 8	2	40 9	2	64 9	2	91 4												
4	8 1	4	5 8	4	22 2	4	41 4	4	65 5	4	91 9												
6	7 9	6	6 1	6	22 5	6	41 8	6	66 0	6	92 4												
8	7 6	8	6 4	8	22 8	8	42 2	8	66 6	8	92 9												
45	7 3	55	6 7	65	23 2	75	42 6	85	67 1	95	93 4												
2	7 0	2	7 0	2	23 5	2	43 1	2	67 7	2	93 9												
4	6 8	4	7 3	4	23 8	4	43 6	4	68 2	4	94 4												
6	6 5	6	7 6	6	24 2	6	44 0	6	68 8	6	94 9												
8	6 3	8	7 9	8	24 5	8	44 4	8	69 3	8	95 4												
46	6 0	56	8 2	66	24 8	76	44 8	86	69 9	96	96 0												
2	5 7	2	8 5	2	25 2	2	45 3	2	70 4	2	96 5												
4	5 4	4	8 8	4	25 5	4	45 8	4	71 0	4	97 0												
6	5 1	6	9 1	6	25 8	6	46 2	6	71 5	6	97 5												
8	4 9	8	9 4	8	26 2	8	46 7	8	72 1	8	98 0												
47	4 6	57	9 7	67	26 5	77	47 2	87	72 6	97	98 5												
2	4 3	2	10 0	2	26 8	2	47 7	2	73 1	2	99 0												
4	4 0	4	10 3	4	27 2	4	48 1	4	73 6	4	99 5												
6	3 8	6	10 6	6	27 5	6	48 6	6	74 1	6	100 0												
8	3 5	8	10 9	8	27 8	8	49 1	8	74 7	8													
48	3 2	58	11 2	68	28 2	78	49 5	88	75 2	98													
2	3 0	2	11 5	2	28 5	2	50 0	2	75 7	2													
4	2 7	4	11 9	4	28 9	4	50 4	4	76 2	4													
6	2 4	6	12 2	6	29 2	6	50 9	6	76 7	6													
8	2 2	8	12 5	8	29 6	8	51 3	8	77 3	8													
49	1 9	59	12 9	69	30 0	79	51 8	89	77 8	99													
2	1 6	2	13 2	2	30 4	2	52 2	2	78 3	2													
4	1 3	4	13 5	4	30 8	4	52 7	4	78 8	4													
6	1 0	6	13 9	6	31 2	6	53 1	6	79 3	6													
8	0 7	8	14 2	8	31 6	8	53 6	8	79 8	8													
50	0 4	60	14 5	70	31 9	80	54 0	90	80 3	100													

A

Temperature 97° F.

Divs on Stem A	Per cent over Proof	Divs on Stem A	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof
0	72 7	10	66 2	0	58 1	10	18 8	20	37 9	30	26 5		
2	72 6	2	66 0	2	58 0	2	48 6	2	37 7	2	26 3		
4	72 4	4	65 9	4	57 8	4	48 4	4	37 4	4	26 0		
6	72 3	6	65 8	6	57 6	6	48 2	6	37 2	6	25 7		
8	72 2	8	65 6	8	57 4	8	48 0	8	36 9	8	25 5		
1	72 1	11	65 5	1	57 3	11	47 8	21	36 7	31	25 3		
2	71 9	2	65 3	2	57 1	2	47 6	2	36 5	2	25 0		
4	71 8	4	65 2	4	56 9	4	47 4	4	36 3	4	24 8		
6	71 7	6	65 0	6	56 7	6	47 2	6	36 1	6	24 5		
8	71 6	8	64 9	8	56 5	8	47 0	8	35 9	8	24 3		
12	71 4	12	64 7	2	56 3	12	46 8	22	35 7	32	24 0		
2	71 3	2	64 6	2	56 1	2	46 6	2	35 5	2	23 8		
4	71 2	4	64 4	4	55 9	4	46 4	4	35 2	4	23 5		
6	71 0	6	64 2	6	55 8	6	46 2	6	35 0	6	23 3		
8	70 9	8	64 1	8	55 6	8	46 0	8	34 8	8	23 0		
3	70 8	13	63 0	3	55 4	13	45 7	23	34 6	33	22 8		
2	70 6	2	63 7	2	55 2	2	45 5	2	34 3	2	22 5		
4	70 5	4	63 6	4	55 0	4	45 3	4	34 1	4	22 2		
6	70 4	6	63 4	6	54 9	6	45 1	6	33 9	6	21 9		
8	70 3	8	63 3	8	54 7	8	44 9	8	33 7	8	21 7		
4	70 1	14	63 1	4	54 5	14	44 7	24	33 5	34	21 5		
2	70 0	2	62 9	2	54 3	2	44 5	2	33 3	2	21 2		
6	69 9	4	62 8	4	54 1	4	44 3	4	33 0	4	21 0		
8	69 7	6	62 6	6	53 9	6	44 1	6	32 8	6	20 7		
8	69 6	8	62 4	8	53 7	8	43 8	8	32 5	8	20 5		
2	69 5	15	62 3	5	53 6	15	43 6	25	32 3	35	20 3		
1	69 3	2	62 1	2	53 5	2	43 4	2	32 1	2	20 0		
6	69 2	4	61 9	4	53 3	4	43 1	4	31 9	4	19 8		
8	69 1	6	61 8	6	53 1	6	42 9	6	31 7	6	19 5		
8	68 9	8	61 6	8	52 9	8	42 6	8	31 5	8	19 3		
6	68 8	16	61 4	6	52 7	16	42 4	26	31 2	36	19 1		
2	68 7	2	61 3	2	52 5	2	42 2	2	31 0	2	18 8		
4	68 5	4	61 1	4	52 3	4	41 9	4	30 7	4	18 6		
6	68 4	6	60 9	6	52 1	6	41 7	6	30 5	6	18 3		
8	68 3	8	60 8	8	51 9	8	41 5	8	30 3	8	18 1		
7	68 1	17	60 6	7	51 8	17	41 3	27	30 1	37	17 8		
2	68 0	2	60 4	2	51 6	2	41 0	2	29 9	2	17 5		
4	67 9	4	60 3	4	51 4	4	40 8	4	29 6	4	17 3		
6	67 8	6	60 1	6	51 2	6	40 6	6	29 3	6	17 0		
8	67 6	8	59 9	8	51 0	8	40 3	8	29 1	8	16 8		
8	67 5	18	59 8	8	50 8	18	40 1	28	28 9	38	16 5		
2	67 4	2	59 6	2	50 6	2	39 9	2	28 6	2	16 2		
4	67 3	4	59 4	4	50 4	4	39 7	4	28 4	4	15 9		
6	67 1	6	59 3	6	50 2	6	39 5	6	28 1	6	15 6		
8	67 0	8	59 1	8	50 0	8	39 3	8	27 9	8	15 4		
9	66 9	10	58 9	9	49 8	19	39 0	29	27 7	39	15 1		
2	66 7	2	58 8	2	49 6	2	38 8	2	27 5	2	14 9		
4	66 6	4	58 6	4	49 4	4	38 5	4	27 2	4	14 7		
6	66 5	6	58 4	6	49 2	6	38 3	6	27 0	6	14 4		
8	66 3	8	58 2	8	49 0	8	38 1	8	26 7	8	14 2		
10	66 2	20	58 1	10	48 8	20	37 9	30	26 5	40	13 9		

## GLASS HYDROMETER.

Temperature 97° F.

Dive on Stem	Per cent. over Proof	Dive on Stem	Per cent. over Proof	Dive on Stem	Per cent. under Proof	Dive on Stem	Per cent. under Proof	Dive on Stem	Per cent. under Proof	Dive on Stem	Per cent. under Proof
40	13 0	50	0 1	60	17 0	70	32 3	80	51 4	90	80 5
12	13 6	12	0 12	12	17 3	12	32 7	12	51 9	12	81 0
4	13 4	4	0 5	4	15 7	4	33 2	4	53 4	4	81 5
6	13 1	6	0 8	6	16 0	6	33 6	6	55 0	6	82 0
8	12 9	8	1 0	8	16 3	8	34 1	8	56 4	8	82 5
41	12 6	51	1 3	61	16 6	71	31 5	81	56 9	91	83 0
12	12 3	12	1 6	12	17 0	12	34 9	12	57 4	12	83 6
4	12 1	4	1 9	4	17 3	4	35 4	4	57 9	4	84 1
6	11 8	6	12 12	6	17 6	6	35 8	6	58 4	6	84 7
8	11 5	8	12 5	8	18 0	8	36 2	8	58 9	8	85 3
42	11 2	52	12 8	62	18 3	72	36 6	82	59 4	92	85 8
12	10 9	12	3 0	12	18 7	12	37 0	12	60 0	12	86 4
4	10 7	4	3 3	4	19 0	4	37 4	4	60 5	4	86 9
6	10 4	6	3 6	6	19 3	6	37 8	6	61 0	6	87 4
8	10 1	8	3 9	8	19 7	8	38 2	8	61 5	8	88 0
43	9 8	53	4 1	63	20 1	73	38 7	83	62 0	93	88 5
12	9 5	12	4 4	12	20 5	12	39 1	12	62 5	12	89 1
4	9 2	4	4 7	4	20 9	4	39 6	4	63 1	4	89 6
6	8 9	6	5 0	6	21 2	6	40 0	6	63 6	6	90 1
8	8 6	8	5 3	8	21 5	8	40 4	8	64 1	8	90 6
44	8 3	54	5 6	64	21 9	74	40 9	84	64 7	94	91 1
12	8 0	12	5 9	12	22 2	12	41 3	12	65 2	12	91 6
4	7 8	4	6 2	4	22 6	4	41 8	4	65 8	4	92 1
6	7 5	6	6 5	6	22 9	6	42 2	6	66 3	6	92 7
8	7 3	8	6 8	8	23 2	8	42 6	8	66 9	8	93 2
45	7 0	55	7 1	65	23 6	75	43 1	85	67 4	95	93 7
12	6 7	12	7 4	12	23 9	12	43 5	12	68 0	12	94 2
4	6 4	4	7 7	4	24 2	4	43 9	4	68 5	4	94 7
6	6 1	6	8 0	6	24 6	6	44 3	6	69 1	6	95 2
8	5 9	8	8 3	8	24 9	8	44 8	8	69 6	8	95 7
46	5 6	56	8 6	66	25 2	76	45 2	86	70 2	96	96 2
12	5 3	12	8 9	12	25 6	12	45 7	12	70 7	12	96 7
4	5 0	4	9 2	4	25 9	4	46 2	4	71 3	4	97 2
6	4 7	6	9 5	6	26 2	6	46 7	6	71 8	6	97 7
8	4 5	8	9 8	8	26 5	8	47 2	8	72 4	8	98 2
47	4 3	57	10 1	67	26 9	77	47 6	87	72 9	97	98 7
12	4 0	12	10 4	12	27 2	12	48 1	12	73 4	12	99 2
4	3 7	4	10 7	4	27 6	4	48 5	4	73 9	4	99 7
6	3 5	6	11 0	6	27 9	6	49 0	6	74 4	6	
8	3 2	8	11 3	8	28 2	8	49 5	8	75 0	8	
48	2 9	58	11 6	68	28 6	78	49 9	88	75 5	98	
12	2 7	12	11 9	12	28 9	12	50 4	12	76 0	12	
4	2 4	4	12 3	4	29 3	4	50 8	4	76 5	4	
6	2 1	6	12 6	6	29 6	6	51 3	6	77 0	6	
8	1 9	8	12 9	8	30 0	8	51 7	8	77 5	8	
49	1 6	59	13 3	69	30 4	79	52 2	89	78 0	99	
12	1 3	12	13 6	12	30 8	12	52 6	12	78 5	12	
4	1 0	4	13 9	4	31 2	4	53 1	4	79 0	4	
6	0 7	6	14 3	6	31 5	6	53 5	6	79 5	6	
8	0 4	8	14 6	8	31 9	8	54 0	8	80 0	8	
50	0 1	60	15 0	70	32 3	80	54 4	90	80 5	100	

**A**

Temperature 98° F.

Days on Stem		Per cent over Proof		Days on Stem		Per cent over Proof		Days on Stem		Per cent over Proof		Days on Stem		Per cent over Proof	
A		A		A		A		A		A		A		A	
0	72 5	10	65 9	0	57 9	10	48 5	20	37 5	30	26 2	0	72 5	10	65 9
1	72 4	2	65 7	1	57 7	11	48 3	21	37 3	31	26 0	1	72 4	11	65 7
2	72 2	4	65 5	2	57 5	12	48 1	22	37 1	32	25 7	2	72 2	12	65 5
3	72 1	6	65 3	3	57 3	13	47 9	23	36 9	33	25 4	3	72 1	13	65 3
4	72 0	8	65 3	4	57 1	14	47 7	24	36 7	34	25 2	4	72 0	14	65 3
5	71 9	10	65 2	5	57 0	15	47 5	25	36 5	35	24 9	5	71 9	15	65 2
6	71 7	12	65 0	6	56 8	16	47 3	26	36 2	36	24 7	6	71 7	16	65 0
7	71 6	14	64 9	7	56 6	17	47 1	27	36 0	37	24 4	7	71 6	17	64 9
8	71 5	16	64 7	8	56 4	18	46 9	28	35 8	38	24 2	8	71 5	18	64 7
9	71 4	18	64 6	9	56 2	19	46 7	29	35 6	39	23 9	9	71 4	19	64 6
10	71 2	20	64 4	10	56 1	20	46 5	30	35 4	40	23 6	10	71 2	20	64 4
11	71 1	22	64 3	11	55 9	21	46 3	31	35 2	41	23 3	11	71 1	21	64 3
12	71 0	24	64 1	12	55 7	22	46 1	32	35 0	42	23 1	12	71 0	22	64 1
13	70 8	26	64 0	13	55 5	23	45 9	33	34 7	43	22 9	13	70 8	23	64 0
14	70 7	28	63 8	14	55 3	24	45 7	34	34 5	44	22 6	14	70 7	24	63 8
15	70 6	30	63 7	15	55 1	25	45 4	35	34 3	45	22 4	15	70 6	25	63 7
16	70 4	32	63 5	16	54 9	26	45 2	36	34 1	46	22 1	16	70 4	26	63 5
17	70 3	34	63 3	17	54 7	27	45 0	37	33 9	47	21 9	17	70 3	27	63 3
18	70 2	36	63 2	18	54 6	28	44 8	38	33 6	48	21 6	18	70 2	28	63 2
19	70 1	38	63 0	19	54 4	29	44 6	39	33 4	49	21 4	19	70 1	29	63 0
20	69 9	40	62 9	20	54 3	30	44 4	40	33 1	50	21 1	20	69 9	30	62 9
21	69 8	42	62 7	21	54 1	31	44 2	41	32 9	51	20 9	21	69 8	31	62 7
22	69 7	44	62 5	22	53 9	32	44 0	42	32 7	52	20 7	22	69 7	32	62 5
23	69 5	46	62 4	23	53 7	33	43 7	43	32 5	53	20 4	23	69 5	33	62 4
24	69 4	48	62 2	24	53 5	34	43 5	44	32 3	54	20 2	24	69 4	34	62 2
25	69 3	50	62 0	25	53 3	35	43 3	45	32 1	55	19 9	25	69 3	35	62 0
26	69 1	52	61 9	26	53 1	36	43 1	46	31 8	56	19 7	26	69 1	36	61 9
27	69 0	54	61 7	27	53 0	37	42 9	47	31 6	57	19 5	27	69 0	37	61 7
28	68 9	56	61 5	28	52 8	38	42 8	48	31 3	58	19 2	28	68 9	38	61 5
29	68 7	58	61 4	29	52 6	39	42 3	49	31 1	59	19 0	29	68 7	39	61 4
30	68 6	60	61 2	30	52 4	40	42 1	50	30 9	60	18 7	30	68 6	40	61 2
31	68 5	62	61 0	31	52 3	41	41 8	51	30 7	61	18 5	31	68 5	41	61 0
32	68 3	64	60 9	32	52 1	42	41 6	52	30 4	62	18 2	32	68 3	42	60 9
33	68 2	66	60 7	33	51 9	43	41 4	53	30 2	63	17 9	33	68 2	43	60 7
34	68 1	68	60 5	34	51 7	44	41 1	54	29 9	64	17 7	34	68 1	44	60 5
35	67 9	70	60 4	35	51 5	45	40 9	55	29 7	65	17 5	35	67 9	45	60 4
36	67 8	72	60 2	36	51 3	46	40 7	56	29 5	66	17 2	36	67 8	46	60 2
37	67 7	74	60 0	37	51 1	47	40 5	57	29 3	67	16 9	37	67 7	47	60 0
38	67 6	76	59 9	38	50 9	48	40 3	58	29 1	68	16 7	38	67 6	48	59 9
39	67 4	78	59 7	39	50 7	49	40 0	59	28 8	69	16 4	39	67 4	49	59 7
40	67 3	80	59 5	40	50 5	50	39 8	60	28 5	70	16 1	40	67 3	50	59 5
41	67 2	82	59 4	41	50 3	51	39 6	61	28 3	71	15 8	41	67 2	51	59 4
42	67 1	84	59 2	42	50 1	52	39 4	62	28 1	72	15 6	42	67 1	52	59 2
43	66 9	86	59 0	43	49 9	53	39 1	63	27 8	73	15 3	43	66 9	53	59 0
44	66 8	88	58 9	44	49 7	54	38 9	64	27 6	74	15 1	44	66 8	54	58 9
45	66 7	90	58 8	45	49 5	55	38 7	65	27 3	75	14 8	45	66 7	55	58 8
46	66 5	92	58 6	46	49 3	56	38 5	66	27 1	76	14 5	46	66 5	56	58 6
47	66 4	94	58 5	47	49 1	57	38 2	67	26 9	77	14 3	47	66 4	57	58 5
48	66 2	96	58 3	48	48 9	58	38 0	68	26 7	78	14 1	48	66 2	58	58 3
49	66 1	98	58 1	49	48 7	59	37 7	69	26 4	79	13 9	49	66 1	59	58 1
50	65 9	100	57 9	50	48 5	60	37 5	70	26 2	80	13 6	50	65 9	60	57 9

Temperature 98° F.

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A

Temperature 98° F

D <sub>1</sub> on Stem A	Per cent over Proof	D <sub>1</sub> on Stem, A	Per cent over Proof	D <sub>1</sub> on Stem	Per cent over Proof	D <sub>1</sub> on Stem	Per cent over Proof	D <sub>1</sub> on Stem	Per cent over Proof	D <sub>1</sub> on Stem	Per cent over Proof	D <sub>1</sub> on Stem	Per cent over Proof	D <sub>1</sub> on Stem	Per cent over Proof
0	72.5	10	65.9	0	57.9	10	48.5	20	37.5	30	26.2	0	72.5	10	65.9
2	72.4	2	65.7	2	57.7	2	48.3	2	37.3	2	25.9	2	72.4	2	65.7
4	72.2	4	65.6	4	57.5	4	48.1	4	37.1	4	25.7	4	72.2	4	65.6
6	72.1	6	65.5	6	57.3	6	47.9	6	36.9	6	25.4	6	72.1	6	65.5
8	72.0	8	65.3	8	57.1	8	47.7	8	36.7	8	25.2	8	72.0	8	65.3
1	71.9	11	65.2	1	57.0	11	47.5	21	36.5	31	24.9	1	71.9	11	65.2
2	71.7	2	65.0	2	56.9	2	47.3	2	36.2	2	24.7	2	71.7	2	65.0
4	71.6	4	64.9	4	56.6	4	47.1	4	36.0	4	24.4	4	71.6	4	64.9
6	71.5	6	64.7	6	56.4	6	46.9	6	35.8	6	24.2	6	71.5	6	64.7
8	71.4	8	64.6	8	56.2	8	46.7	8	35.6	8	23.9	8	71.4	8	64.6
12	71.2	12	64.4	12	56.1	12	46.5	22	35.4	32	23.6	12	71.2	12	64.4
2	71.1	2	64.3	2	55.9	2	46.3	2	35.2	2	23.3	2	71.1	2	64.3
4	71.0	4	64.1	4	55.7	4	46.1	4	35.0	4	23.1	4	71.0	4	64.1
6	70.8	6	64.0	6	55.5	6	45.9	6	34.7	6	22.9	6	70.8	6	64.0
8	70.7	8	63.8	8	55.3	8	45.7	8	34.5	8	22.6	8	70.7	8	63.8
3	70.6	13	63.7	3	55.1	13	45.4	23	34.3	33	22.4	3	70.6	13	63.7
2	70.4	2	63.5	2	54.9	2	45.2	2	34.1	2	22.1	2	70.4	2	63.5
4	70.3	4	63.3	4	54.7	4	45.0	4	33.9	4	21.9	4	70.3	4	63.3
6	70.2	6	63.2	6	54.6	6	44.8	6	33.6	6	21.6	6	70.2	6	63.2
8	70.1	8	63.0	8	54.4	8	44.6	8	33.4	8	21.4	8	70.1	8	63.0
4	69.9	14	62.9	4	54.3	14	44.4	24	33.1	34	21.1	4	69.9	14	62.9
2	69.8	2	62.7	2	54.1	2	44.2	2	32.9	2	20.9	2	69.8	2	62.7
4	69.7	4	62.5	4	53.9	4	43.9	4	32.7	4	20.7	4	69.7	4	62.5
6	69.5	6	62.4	6	53.7	6	43.7	6	32.5	6	20.4	6	69.5	6	62.4
8	69.4	8	62.2	8	53.5	8	43.5	8	32.3	8	20.2	8	69.4	8	62.2
5	69.3	15	62.0	5	53.3	15	43.3	25	32.1	35	19.9	5	69.3	15	62.0
2	69.1	2	61.9	2	53.1	2	43.1	2	31.8	2	19.7	2	69.1	2	61.9
4	69.0	4	61.7	4	53.0	4	42.8	4	31.6	4	19.5	4	69.0	4	61.7
6	68.9	6	61.5	6	52.8	6	42.5	6	31.3	6	19.2	6	68.9	6	61.5
8	68.7	8	61.4	8	52.6	8	42.3	8	31.1	8	19.0	8	68.7	8	61.4
6	68.6	16	61.2	6	52.4	16	42.1	26	30.9	36	18.7	6	68.6	16	61.2
2	68.5	2	61.0	2	52.3	2	41.8	2	30.7	2	18.5	2	68.5	2	61.0
4	68.3	4	60.9	4	52.1	4	41.6	4	30.4	4	18.2	4	68.3	4	60.9
6	68.2	6	60.7	6	51.9	6	41.4	6	30.2	6	17.9	6	68.2	6	60.7
8	68.1	8	60.5	8	51.7	8	41.1	8	29.9	8	17.7	8	68.1	8	60.5
7	67.9	17	60.4	7	51.5	17	40.9	27	29.7	37	17.5	7	67.9	17	60.4
2	67.8	2	60.2	2	51.3	2	40.7	2	29.5	2	17.2	2	67.8	2	60.2
4	67.7	4	60.0	4	51.1	4	40.5	4	29.3	4	16.9	4	67.7	4	60.0
6	67.6	6	59.9	6	50.9	6	40.3	6	29.1	6	16.7	6	67.6	6	59.9
8	67.4	8	59.7	8	50.7	8	40.0	8	28.8	8	16.4	8	67.4	8	59.7
8	67.3	18	59.5	8	50.5	18	39.8	28	28.5	38	16.1	8	67.3	18	59.5
2	67.2	2	59.4	2	50.3	2	39.6	2	28.3	2	15.8	2	67.2	2	59.4
4	67.1	4	59.2	4	50.1	4	39.4	4	28.1	4	15.6	4	67.1	4	59.2
6	66.9	6	59.0	6	49.9	6	39.1	6	27.8	6	15.3	6	66.9	6	59.0
8	66.8	8	58.9	8	49.7	8	38.9	8	27.6	8	15.1	8	66.8	8	58.9
J	66.7	19	58.8	J	49.5	19	38.7	29	27.3	39	14.8	J	66.7	19	58.8
2	66.5	2	58.6	2	49.3	2	38.5	2	27.1	2	14.5	2	66.5	2	58.6
4	66.4	4	58.5	4	49.1	4	38.2	4	26.9	4	14.3	4	66.4	4	58.5
6	66.2	6	58.3	6	48.9	6	38.0	6	26.7	6	14.1	6	66.2	6	58.3
8	66.1	8	58.1	8	48.7	8	37.7	8	26.4	8	13.9	8	66.1	8	58.1
10	65.9	20	57.9	10	48.5	20	37.5	30	26.2	40	13.6	10	65.9	20	57.9

## GLASS HYDROMETER.

Temperature 98° F

Divs on Stem	Per cent over Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof	Divs on Stem	Per cent under Proof
40	13 6	50	0 3	60	15 4	70	32 8	80	54 8	90	80 7		
2	13 3	2	0 6	2	15 7	2	33 2	2	53 3	2	81 2		
4	13 1	4	0 8	4	16 0	4	33 6	4	55 8	4	81 7		
6	12 8	6	1 1	6	16 3	6	34 0	6	56 3	6	82 2		
8	12 5	8	1 4	8	16 7	8	34 5	8	56 8	8	82 8		
41	12 2	51	1 7	61	17 0	71	34 9	81	57 3	91	83 3		
2	11 9	2	2 0	2	17 4	2	35 4	2	57 8	2	83 9		
4	11 7	4	2 3	4	17 7	4	35 8	4	58 3	4	84 4		
6	11 4	6	2 6	6	18 0	6	36 2	6	58 8	6	85 0		
8	11 1	8	2 8	8	18 4	8	36 6	8	59 3	8	85 5		
42	10 9	52	3 1	62	18 7	72	37 0	82	59 8	92	86 0		
2	10 6	2	3 4	2	19 1	2	37 5	2	60 3	2	86 6		
4	10 3	4	3 7	4	19 4	4	37 9	4	60 8	4	87 1		
6	10 0	6	4 0	6	19 7	6	38 3	6	61 3	6	87 7		
8	9 7	8	4 3	8	20 1	8	38 7	8	61 9	8	88 2		
43	9 4	53	4 5	63	20 5	73	39 2	83	62 4	93	88 8		
2	9 1	2	4 8	2	20 9	2	39 6	2	62 9	2	89 3		
4	8 8	4	5 1	4	21 3	4	40 0	4	63 4	4	89 8		
6	8 5	6	5 4	6	21 6	6	40 4	6	63 9	6	90 3		
8	8 2	8	5 7	8	21 9	8	40 9	8	64 4	8	90 9		
44	8 0	54	6 0	64	22 3	74	41 3	84	65 0	94	91 4		
2	7 7	2	6 3	2	22 6	2	41 8	2	65 5	2	91 9		
4	7 4	4	6 6	4	23 0	4	42 2	4	66 1	4	92 4		
6	7 1	6	6 9	6	23 3	6	42 6	6	66 6	6	92 9		
8	6 9	8	7 2	8	23 6	8	43 0	8	67 2	8	93 4		
45	6 6	55	7 5	65	24 0	75	43 5	85	67 7	95	93 9		
2	6 3	2	7 8	2	24 3	2	43 9	2	68 3	2	94 4		
4	6 1	4	8 1	4	24 6	4	44 4	4	68 8	4	94 9		
6	5 8	6	8 4	6	25 0	6	44 8	6	69 4	6	95 4		
8	5 5	8	8 7	8	25 3	8	45 2	8	69 9	8	95 9		
46	5 2	56	9 0	66	25 6	76	45 7	86	70 5	96	96 5		
2	4 9	2	9 3	2	26 0	2	46 2	2	71 0	2	97 0		
4	4 7	4	9 6	4	26 3	4	46 7	4	71 6	4	97 5		
6	4 4	6	9 9	6	26 6	6	47 1	6	72 1	6	98 0		
8	4 2	8	10 2	8	26 9	8	47 6	8	72 7	8	98 5		
47	3 9	57	10 5	67	27 3	77	48 0	87	73 2	97	99 0		
2	3 6	2	10 8	2	27 6	2	48 5	2	73 7	2	99 5		
4	3 3	4	11 1	4	28 0	4	48 9	4	74 2	4	100 0		
6	3 1	6	11 4	6	28 3	6	49 4	6	74 7	6			
8	2 9	8	11 7	8	28 7	8	49 9	8	75 2	8			
48	2 6	58	12 0	68	29 0	78	50 3	88	75 7	98			
2	2 3	2	12 3	2	29 4	2	50 8	2	76 2	2			
4	2 0	4	12 7	4	29 7	4	51 2	4	76 7	4			
6	1 7	6	13 0	6	30 1	6	51 7	6	77 2	6			
8	1 5	8	13 3	8	30 5	8	52 1	8	77 7	8			
49	1 2	59	13 7	69	30 9	79	52 6	89	78 2	99			
2	0 9	2	14 0	2	31 2	2	53 0	2	78 7	2			
4	0 8	4	14 3	4	31 6	4	53 5	4	79 2	4			
6	0 3	6	14 7	6	32 0	6	53 9	6	79 7	6			
8		8	15 0	8	32 4	8	54 4	8	80 2	8			
50	0 3	60	15 4	70	32 8	80	54 8	90	80 7	100			

## GLASS HYDROMETER.

A

Temperature 99° F.

Divs on Stem A	Per cent over Proof	Divs on Stem A	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem	Per cent over Proof	Divs on Stem.	Per cent over Proof.
0	72 3	10	65 7	0	57 5	10	48 2	20	37 2	30	25 9
2	72 2	2	65 5	2	57 4	2	48 0	2	37 0	2	25 6
4	72 0	4	65 4	4	57 2	4	47 8	4	36 8	4	25 3
6	71 9	6	65 3	6	57 0	6	47 6	6	36 6	6	25 1
8	71 8	8	65 1	8	56 9	8	47 4	8	36 3	8	24 9
1	71 7	11	65 0	1	56 7	11	47 2	21	36 1	31	24 6
2	71 5	2	64 8	2	56 5	2	47 0	2	35 9	2	24 3
4	71 4	4	64 7	4	56 3	4	46 8	4	35 7	4	24 1
6	71 3	6	64 5	6	56 1	6	46 6	6	35 5	6	23 8
8	71 2	8	64 4	8	55 9	8	46 4	8	35 3	8	23 6
2	71 0	12	64 2	2	55 8	12	46 2	22	35 1	32	23 3
2	70 9	2	64 1	2	55 6	2	46 0	2	34 9	2	23 1
4	70 8	4	63 9	4	55 4	4	45 8	4	34 6	4	22 8
6	70 6	6	63 8	6	55 3	6	45 5	6	34 4	6	22 6
8	70 5	8	63 6	8	55 1	8	45 3	8	34 2	8	22 3
3	70 4	13	63 4	3	54 9	13	45 1	23	34 0	33	22 1
2	70 2	2	63 3	2	54 7	2	44 9	2	33 7	2	21 9
4	70 1	4	63 1	4	54 5	4	44 7	4	33 5	4	21 6
6	70 0	6	62 9	6	54 3	6	44 5	6	33 3	6	21 3
8	69 9	8	62 7	8	54 1	8	44 3	8	33 1	8	21 1
4	69 7	14	62 0	4	53 9	14	44 1	24	32 8	34	20 8
2	69 6	2	62 4	2	53 8	2	43 9	2	32 6	2	20 6
4	69 5	4	62 2	4	53 6	4	43 6	4	32 4	4	20 4
6	69 3	6	62 1	6	53 4	6	43 4	6	32 2	6	20 1
8	69 2	8	61 9	8	53 2	8	43 1	8	31 9	8	19 9
5	69 1	15	61 7	5	53 1	15	42 9	25	31 7	35	19 6
2	68 9	2	61 6	2	52 9	2	42 7	2	31 5	2	19 3
4	68 8	4	61 4	4	52 7	4	42 4	4	31 3	4	19 1
6	68 7	6	61 2	6	52 5	6	42 2	6	31 0	6	18 9
8	68 5	8	61 1	8	52 3	8	41 9	8	30 8	8	18 7
6	68 3	16	60 9	6	52 2	16	41 7	26	30 5	36	18 4
2	68 2	2	60 7	2	52 0	2	41 5	2	30 3	2	18 1
4	68 1	4	60 6	4	51 8	4	41 3	4	30 1	4	17 9
6	68 0	6	60 4	6	51 6	6	41 1	6	29 9	6	17 6
8	67 9	8	60 2	8	51 4	8	40 8	8	29 6	8	17 4
7	67 7	17	60 1	7	51 2	17	40 6	27	29 4	37	17 1
2	67 6	2	59 9	2	51 0	2	40 4	2	29 2	2	16 8
4	67 5	4	59 7	4	50 8	4	40 1	4	28 9	4	16 6
6	67 4	6	59 6	6	50 6	6	39 9	6	28 7	6	16 3
8	67 2	8	59 4	8	50 4	8	39 7	8	28 5	8	16 1
8	67 1	18	59 2	8	50 2	18	39 5	28	28 2	38	15 8
2	67 0	2	59 1	2	50 0	2	39 3	2	27 9	2	15 5
4	66 9	4	58 9	4	49 8	4	39 1	4	27 7	4	15 3
6	66 7	6	58 7	6	49 6	6	38 8	6	27 5	6	15 0
8	66 6	8	58 5	8	49 4	8	38 6	8	27 3	8	14 7
9	66 5	19	58 3	9	49 2	19	38 3	29	27 0	39	14 5
2	66 3	2	58 2	2	49 0	2	38 1	2	26 8	2	14 2
4	66 2	4	58 0	4	48 8	4	37 9	4	26 5	4	13 9
6	66 0	6	57 9	6	48 6	6	37 7	6	26 3	6	13 7
8	65 9	8	57 7	8	48 4	8	37 4	8	26 1	8	13 5
10	65 7	20	57 5	10	48 2	20	37 2	30	25 9	40	13 2

Temperature 99° F.

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## GLASS HYDROMETER.

A Temperature 100° F.

Days on Stem A	Per cent over Proof	Days on Stem A	Per cent over Proof	Days on Stem.	Per cent. over Proof	Days on Stem	Per cent over Proof	Days on Stem.	Per cent over Proof	Days on Stem	Per cent over Proof	Days on Stem	Per cent over Proof
0	72 1	10	65 4	0	57 2	10	47 9	20	36 9	30	25 5		
2	72 0	2	65 3	2	57 1	2	47 7	2	36 7	2	25 2		
4	71 8	4	65 1	4	56 9	4	47 5	4	36 5	4	25 0		
6	71 7	6	65 0	6	56 7	6	47 3	6	36 3	6	24 7		
8	71 6	8	64 8	8	56 6	8	47 1	8	36 1	8	24 5		
1	71 4	11	64 7	1	56 4	11	47 0	21	35 9	31	21 3		
2	71 3	2	64 5	2	56 2	2	46 8	2	35 6	2	24 0		
4	71 2	4	64 4	4	56 0	4	46 5	4	35 4	4	23 7		
6	71 0	6	64 2	6	55 9	6	46 3	6	35 2	6	23 5		
8	70 9	8	64 1	8	55 7	8	46 1	8	35 0	8	23 3		
2	70 8	12	63 9	2	55 5	12	45 9	22	34 7	32	23 0		
2	70 7	2	63 8	2	55 3	2	45 7	2	34 5	2	22 7		
4	70 5	4	63 6	4	55 1	4	45 5	4	34 3	4	22 5		
6	70 4	6	63 4	6	54 9	6	45 3	6	34 1	6	22 2		
8	70 3	8	63 3	8	54 7	8	45 1	8	33 9	8	21 9		
3	70 1	13	63 1	3	54 6	13	44 8	23	33 7	33	21 7		
2	70 0	2	62 9	2	54 5	2	44 6	2	33 4	2	21 5		
4	69 9	4	62 8	4	54 3	4	44 4	4	33 2	4	21 3		
6	69 7	6	62 6	6	54 1	6	44 2	6	33 0	6	21 1		
8	69 6	8	62 4	8	53 9	8	43 9	8	32 8	8	20 8		
4	69 5	14	62 3	4	53 7	14	43 7	24	32 5	34	20 6		
2	69 3	2	62 1	2	53 5	2	43 5	2	32 3	2	20 3		
4	69 2	4	61 9	4	53 3	4	43 3	4	32 1	4	20 1		
6	69 1	6	61 8	6	53 1	6	43 1	6	31 9	6	19 8		
8	68 0	8	61 6	8	52 9	8	42 8	8	31 6	8	19 5		
5	68 8	15	61 4	5	52 8	15	42 5	25	31 4	35	19 3		
2	68 7	2	61 3	2	52 6	2	42 3	2	31 1	2	19 0		
4	68 5	4	61 1	4	52 5	4	42 1	4	30 9	4	18 8		
6	68 4	6	60 9	6	52 3	6	41 9	6	30 7	6	18 5		
8	68 3	8	60 8	8	52 1	8	41 6	8	30 5	8	18 3		
6	68 2	16	60 6	6	51 9	16	41 4	26	30 3	36	18 1		
2	68 0	2	60 4	2	51 7	2	41 2	2	30 1	2	17 9		
4	67 9	4	60 3	4	51 5	4	40 9	4	29 8	4	17 5		
6	67 8	6	60 1	6	51 3	6	40 7	6	29 6	6	17 3		
8	67 7	8	59 9	8	51 1	8	40 5	8	29 3	8	17 0		
7	67 5	17	59 8	7	50 9	17	40 3	27	29 1	37	16 7		
2	67 4	2	59 6	2	50 7	2	40 1	2	28 9	2	16 5		
4	67 3	4	59 4	4	50 5	4	39 8	4	28 6	4	16 2		
6	67 1	6	59 3	6	50 3	6	39 6	6	28 3	6	15 9		
8	67 0	8	59 1	8	50 1	8	39 4	8	28 1	8	15 7		
8	66 9	18	58 9	8	49 9	18	39 2	28	27 9	38	15 4		
2	66 7	2	58 8	2	49 7	2	38 9	2	27 6	2	15 1		
4	66 6	4	58 6	4	49 5	4	38 7	4	27 4	4	14 9		
6	66 5	6	58 4	6	49 3	6	38 5	6	27 1	6	14 7		
8	66 3	8	58 2	8	49 1	8	38 2	8	26 9	8	14 4		
9	66 2	19	58 1	9	48 9	19	38 0	29	26 7	39	14 1		
2	66 0	2	57 9	2	48 7	2	37 8	2	26 5	2	13 9		
4	65 9	4	57 7	4	48 5	4	37 5	4	26 2	4	13 7		
6	65 7	6	57 6	6	48 3	6	37 3	6	26 0	6	13 4		
8	65 6	8	57 4	8	48 1	8	37 1	8	25 7	8	13 1		
10	65 4	20	57 2	10	47 9	20	36 9	30	25 5	40	12 9		

## GLASS HYDROMETER

Temperature 100° F

Dips on Stem	Per cent. over Proof	Dips on Stem	Per cent. under Proof	Dips on Stem	Per cent. under Proof	Dips on Stem	Per cent. under Proof	Dips on Stem	Per cent. under Proof	Dips on Stem	Per cent. under Proof
40	12 9	50	1 0	60	16 1	70	33 7	80	55 6	90	81 3
2	12 6	2	1 3	2	16 6	2	34 1	2	56 1	2	81 8
4	12 3	4	1 6	4	16 8	4	34 6	4	56 6	4	82 3
6	12 1	6	1 9	6	17 1	6	35 0	6	57 1	6	82 8
8	11 8	8	2 1	8	17 5	8	35 4	8	57 6	8	83 3
41	11 5	51	2 4	61	17 8	71	35 8	81	58 1	91	83 8
2	11 2	2	2 7	2	18 1	2	36 2	2	58 6	2	84 4
4	10 9	4	3 0	4	18 5	4	36 6	4	59 1	4	84 9
6	10 7	6	3 3	6	18 8	6	37 1	6	59 6	6	85 5
8	10 4	8	3 6	8	19 2	8	37 5	8	60 1	8	86 1
42	10 1	52	3 9	62	19 5	72	38 0	82	60 6	92	86 6
2	9 8	2	4 2	2	19 9	2	38 5	2	61 1	2	87 2
4	9 5	4	4 5	4	20 3	4	38 9	4	61 6	4	87 7
6	9 2	6	4 7	6	20 6	6	39 3	6	62 1	6	88 3
8	9 0	8	5 0	8	20 9	8	39 7	8	62 6	8	88 8
43	8 7	53	5 3	63	21 3	73	40 2	83	63 1	93	89 4
2	8 4	2	5 6	2	21 7	2	40 6	2	63 6	2	89 9
4	8 1	4	5 9	4	22 1	4	41 0	4	64 1	4	90 4
6	7 8	6	6 2	6	22 4	6	41 4	6	64 6	6	90 9
8	7 5	8	6 5	8	22 8	8	41 9	8	65 1	8	91 4
44	7 2	54	6 8	64	23 1	74	42 3	84	65 7	94	91 9
2	6 9	2	7 1	2	23 4	2	42 7	2	66 2	2	92 4
4	6 7	4	7 4	4	23 8	4	43 1	4	66 7	4	92 9
6	6 4	6	7 7	6	24 1	6	43 5	6	67 3	6	93 5
8	6 2	8	8 0	8	24 4	8	44 0	8	67 8	8	94 0
45	5 9	55	8 3	65	24 8	75	44 4	85	68 4	95	94 5
2	5 6	2	8 6	2	25 1	2	44 8	2	68 9	2	95 0
4	5 3	4	8 9	4	25 4	4	45 2	4	69 5	4	95 5
6	5 0	6	9 2	6	25 8	6	45 6	6	70 0	6	96 0
8	4 8	8	9 5	8	26 1	8	46 1	8	70 6	8	96 5
46	4 5	56	9 8	66	26 4	76	46 6	86	71 1	96	97 0
2	4 2	2	10 1	2	26 8	2	47 1	2	71 7	2	97 5
4	3 9	4	10 4	4	27 1	4	47 5	4	72 2	4	98 0
6	3 7	6	10 7	6	27 4	6	48 0	6	72 8	6	98 5
8	3 4	8	11 0	8	27 8	8	48 4	8	73 3	8	99 0
47	3 2	57	11 3	67	28 1	77	48 9	87	73 8	97	99 5
2	2 9	2	11 6	2	28 4	2	49 3	2	74 3	2	100 0
4	2 6	4	11 9	4	28 8	4	49 8	4	74 8	4	
6	2 3	6	12 2	6	29 1	6	50 2	6	75 3	6	
8	2 1	8	12 5	8	29 5	8	50 7	8	75 8	8	
48	1 8	58	12 8	68	29 8	78	51 1	88	76 3	98	
2	1 5	2	13 1	2	30 2	2	51 6	2	76 8	2	
4	1 2	4	13 5	4	30 5	4	52 0	4	77 3	4	
6	1 0	6	13 8	6	30 9	6	52 5	6	77 8	6	
8	0 7	8	14 1	8	31 3	8	52 9	8	78 3	8	
49	0 4	59	14 5	69	31 7	79	53 4	89	78 8	99	
2	0 1	2	14 8	2	32 0	2	53 8	2	79 3	2	
4	0 2	4	15 2	4	32 4	4	54 3	4	79 8	4	
6	0 4	6	15 5	6	32 8	6	54 7	6	80 3	6	
8	0 7	8	15 8	8	33 3	8	55 2	8	80 8	8	
50	1 0	60	16 1	70	33 7	80	55 6	90	81 3	100	



SPECIFIC GRAVITY TABLES  
FOR USE WITH  
SIKES'S HYDROMETER.

THE following tables of specific gravity, constructed from those of Ure, show approximately\* the specific gravity of spirits from 70° O P. down to water at every temperature compared with water at 62° F, water at 62° F being denoted as 10 000

The imperial gallon of distilled water at 62° F weighs 10 lbs avoirdupois. Therefore a gallon of spirit of which the specific gravity is 9 000 at a certain temperature weighs at that temperature 9 lbs per gallon

## TO USE THE TABLES.

Note the hydrometer indication. Then refer to the specific gravity Table I at this indication. Against it will be found the specific gravity which corresponds to the weight per gallon in pounds to decimals. The equivalent avoirdupois weights for the decimals are found in Table II.

*Note*—In using Table II the third decimal figure of the specific gravity found at Table I is, if under 5, to be omitted. If over 5, 1 should be added to the preceding or second decimal figure. Thus 8 242 should be read 8 24, and 9 196 should be read 9 200.

*Example*—Specific gravity 8 242 (*i e*, 8 24) will thus be found to be equivalent to 8 lbs 3 ozs 13 drms per imperial gallon. Again, specific gravity 9 196 (*i e*, 9 20) will be found to be equivalent to 9 lbs 3 ozs 3 drms per imperial gallon.

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\* These specific gravities are found true by the hydrometer only at 62° F. But for the purpose of checking stocks where probably both sides of the balance will be taken at temperatures not materially different the error on each side will be about the same and may be neglected.

Dive on Stem A	Specific gravity	Dive on Stem A	Specific gravity	Dive on Stem	Specific gravity	Dive on Stem	Specific gravity	Dive on Stem	Specific gravity	Dive on Stem	Specific gravity	Dive on Stem	Specific gravity
0		10	7 989	0	8 154	10	8 323	20	8 495	30	8 670		
1		11	7 992	1	8 157	11	8 326	21	8 498	31	8 674		
2		12	7 996	2	8 161	12	8 330	22	8 502	32	8 677		
3		13	7 999	3	8 164	13	8 333	23	8 505	33	8 681		
4		14	8 002	4	8 168	14	8 337	24	8 509	34	8 684		
5		15	8 005	5	8 171	15	8 340	25	8 512	35	8 688		
6		16	8 009	6	8 174	16	8 343	26	8 516	36	8 692		
7		17	8 012	7	8 178	17	8 347	27	8 519	37	8 695		
8		18	8 015	8	8 181	18	8 350	28	8 523	38	8 699		
9		19	8 019	9	8 185	19	8 354	29	8 526	39	8 702		
10		20	8 022	10	8 189	20	8 357	30	8 530	40	8 706		
11		21	8 025	11	8 191	21	8 361	31	8 533		8 709		
12		22	8 029	12	8 195	22	8 364	32	8 537		8 713		
13		23	8 032	13	8 198	23	8 368	33	8 540		8 716		
14		24	8 035	14	8 202	24	8 371	34	8 544		8 720		
15		25	8 038	15	8 205	25	8 375	35	8 547		8 723		
16		26	8 042	16	8 208	26	8 378	36	8 551		8 727		
17		27	8 045	17	8 212	27	8 382	37	8 554		8 730		
18		28	8 048	18	8 215	28	8 385	38	8 558		8 734		
19		29	8 052	19	8 219	29	8 389	39	8 561		8 737		
20	7 888	30	8 055	20	8 222	30	8 392	40	8 565		8 741		
21	7 891	31	8 059	21	8 225	31	8 395		8 568		8 745		
22	7 894	32	8 062	22	8 229	32	8 399		8 572		8 748		
23	7 898	33	8 065	23	8 232	33	8 402		8 575		8 752		
24	7 901	34	8 068	24	8 236	34	8 406		8 579		8 755		
25	7 904	35	8 071	25	8 239	35	8 409		8 582		8 759		
26	7 907	36	8 075	26	8 242	36	8 412		8 586		8 763		
27	7 911	37	8 078	27	8 245	37	8 416		8 589		8 766		
28	7 914	38	8 081	28	8 249	38	8 419		8 593		8 770		
29	7 917	39	8 085	29	8 252	39	8 423		8 596		8 773		
30	7 921	40	8 089	30	8 255	40	8 426		8 600		8 777		
31	7 924		8 091	31	8 258		8 429		8 603		8 781		
32	7 927		8 095	32	8 262		8 433		8 607		8 784		
33	7 931		8 098	33	8 265		8 436		8 610		8 788		
34	7 934		8 101	34	8 269		8 440		8 614		8 791		
35	7 937		8 104	35	8 272		8 443		8 617		8 795		
36	7 940		8 108	36	8 275		8 446		8 620		8 799		
37	7 944		8 111	37	8 279		8 450		8 624		8 802		
38	7 947		8 114	38	8 282		8 453		8 628		8 806		
39	7 950		8 118	39	8 286		8 457		8 631		8 809		
40	7 954		8 121	40	8 289		8 460		8 635		8 813		
	7 957		8 124		8 292		8 464		8 639		8 817		
	7 960		8 128		8 296		8 467		8 642		8 820		
	7 964		8 131		8 299		8 471		8 646		8 824		
	7 967		8 134		8 303		8 474		8 649		8 827		
	7 970		8 137		8 306		8 478		8 653		8 831		
	7 973		8 141		8 309		8 481		8 656		8 835		
	7 977		8 144		8 313		8 485		8 660		8 839		
	7 980		8 147		8 316		8 488		8 663		8 842		
	7 983		8 151		8 320		8 492		8 667		8 845		
	7 986		8 154		8 323		8 495		8 670		8 849		
	7 989												

Table I—contd.

Divs on Stem	Specific gravity	Divs on Stem	Specific gravity	Divs on Stem	Specific gravity	Divs on Stem	Specific gravity	Divs on Stem	Specific gravity	Divs on Stem	Specific gravity	Divs on Stem	Specific gravity
40	8 849	50	9 032	60	9 218	70	9 409	80	9 604	90	9 800		
2	8 853	2	9 036	2	9 222	2	9 413	2	9 608	2	9 804		
4	8 856	4	9 039	4	9 226	4	9 417	4	9 612	4	9 808		
6	8 860	6	9 043	6	9 229	6	9 420	6	9 615	6	9 812		
8	8 863	8	9 046	8	9 233	8	9 424	8	9 619	8	9 816		
41	8 867	51	9 050	61	9 237	71	9 428	81	9 623	91	9 820		
2	8 871	2	9 054	2	9 241	2	9 432	2	9 627	2	9 824		
4	8 874	4	9 058	4	9 245	4	9 436	4	9 631	4	9 828		
6	8 878	6	9 061	6	9 248	6	9 440	6	9 635	6	9 832		
8	8 881	8	9 065	8	9 252	8	9 444	8	9 639	8	9 836		
42	8 885	52	9 069	62	9 256	72	9 448	82	9 643	92	9 840		
2	8 889	2	9 073	2	9 260	2	9 452	2	9 647	2	9 844		
4	8 892	4	9 076	4	9 264	4	9 456	4	9 651	4	9 848		
6	8 896	6	9 080	6	9 267	6	9 459	6	9 655	6	9 852		
8	8 899	8	9 083	8	9 271	8	9 463	8	9 659	8	9 856		
43	8 903	53	9 087	63	9 275	73	9 467	83	9 663	93	9 860		
2	8 907	2	9 091	2	9 279	2	9 471	2	9 667	2	9 864		
4	8 911	4	9 095	4	9 283	4	9 475	4	9 671	4	9 868		
6	8 914	6	9 098	6	9 286	6	9 479	6	9 674	6	8 872		
8	8 918	8	9 102	8	9 290	8	9 483	8	9 678	8	9 876		
44	8 922	54	9 106	64	9 294	74	9 487	84	9 682	94	9 880		
2	8 926	2	9 110	2	9 298	2	9 491	2	9 686	2	9 884		
4	8 929	4	9 114	4	9 302	4	9 495	4	9 690	4	9 888		
6	8 933	6	9 117	6	9 305	6	9 498	6	9 694	6	9 892		
8	8 936	8	9 121	8	9 309	8	9 502	8	9 698	8	9 896		
45	8 940	55	9 125	65	9 313	75	9 506	85	9 702	95	9 900		
2	8 944	2	9 129	2	9 317	2	9 510	2	9 706	2	9 904		
4	8 947	4	9 132	4	9 321	4	9 514	4	9 710	4	9 908		
6	8 951	6	9 136	6	9 324	6	9 517	6	9 714	6	9 913		
8	8 954	8	9 139	8	9 328	8	9 521	8	9 718	8	9 917		
46	8 958	56	9 143	66	9 332	76	9 525	86	9 722	96	9 921		
2	8 962	2	9 147	2	9 336	2	9 529	2	9 726	2	9 925		
4	8 965	4	9 151	4	9 340	4	9 533	4	9 730	4	9 929		
6	8 969	6	9 154	6	9 344	6	9 537	6	9 733	6	9 934		
8	8 972	8	9 158	8	9 348	8	9 541	8	9 737	8	9 938		
47	8 976	57	9 162	67	9 352	77	9 545	87	9 741	97	9 942		
2	8 980	2	9 166	2	9 356	2	9 549	2	9 745	2	9 946		
4	8 984	4	9 170	4	9 360	4	9 553	4	9 749	4	9 950		
6	8 987	6	9 173	6	9 363	6	9 557	6	9 753	6	9 955		
8	8 991	8	9 177	8	9 367	8	9 561	8	9 757	8	9 959		
48	8 995	58	9 181	68	9 371	78	9 565	88	9 761	98	9 963		
2	8 999	2	9 185	2	9 375	2	9 569	2	9 765	2	9 967		
4	9 002	4	9 189	4	9 379	4	9 573	4	9 769	4	9 972		
6	9 006	6	9 192	6	9 382	6	9 576	6	9 773	6	9 976		
8	9 009	8	9 196	8	9 386	8	9 580	8	9 777	8	9 981		
49	9 013	59	9 200	69	9 390	79	9 584	89	9 781	99	9 985		
2	9 017	2	9 204	2	9 394	2	9 588	2	9 785	2	9 990		
4	9 021	4	9 207	4	9 398	4	9 592	4	9 789	4	9 994		
6	9 024	6	9 211	6	9 401	6	9 596	6	9 792	6	9 998		
8	9 028	8	9 214	8	9 405	8	9 600	8	9 796	8	10 003		
50	9 032	60	9 218	70	9 409	80	9 604	90	9 800	100	10 007		

Table II.

Degrees of Specific gravity			Degrees of Specific gravity			Degrees of Specific gravity			Degrees of Specific gravity		
	Oz	Drams		Oz	Drams		Oz	Drams		Oz	Drams
1	0	2½	26	4	2½	51	8	2½	76	12	2½
2	0	5	27	4	5	52	8	5	77	12	5
3	0	7½	28	4	7½	53	8	7½	78	12	7½
4	0	10	29	4	10	54	8	10	79	12	10
5	0	12½	30	4	12½	55	8	12½	80	12	12½
6	0	15	31	4	15	56	8	15	81	12	15
7	1	1½	32	5	1½	57	9	1½	82	13	1½
8	1	4½	33	5	4½	58	9	4½	83	13	4½
9	1	7	34	5	7	59	9	7	84	13	7
10	1	9½	35	5	9½	60	9	9½	85	13	9½
11	1	12	36	5	12	61	9	12	86	13	12
12	1	14½	37	5	14½	62	9	14½	87	14	11½
13	2	1	38	6	1	63	10	1	88	14	1
14	2	3½	39	6	3½	64	10	3½	89	14	3½
15	2	6	40	6	6	65	10	6	90	14	6
16	2	8½	41	6	8½	66	10	8½	91	14	8½
17	2	11½	42	6	11½	67	10	11½	92	14	11½
18	2	14	43	6	14	68	10	14	93	14	14
19	3	0½	44	7	0½	69	11	0½	94	15	0½
20	3	3	45	7	3	70	11	3	95	15	3
21	3	5½	46	7	5½	71	11	5½	96	15	5½
22	3	8	47	7	8	72	11	8	97	15	8
23	3	10½	48	7	10½	73	11	10½	98	15	10½
24	3	13	49	7	13	74	11	13	99	15	13
25	4	0	50	8	0	75	12	0	100	16	0

*Supplementary note to letter No 589, dated 1st July 1907, from the Director,  
Central Excise Laboratory for India, to the Secretary to the Government of  
India, Finance Department*

1 The following notes refer to work undertaken subsequent to the date of my above quoted letter. It is to be particularly noted that my letter No 589, dated 1st July 1907, was a statement made at the commencement of the work, and that the figures in the appendices, though correct in their general trend, were not intended to be final, and on comparison with the completed work will show some comparatively insignificant variations. They should hence be regarded as of a purely preliminary nature and not in any way as extracts from the final results.

2 In the first place it was assumed that Sikes's hydrometer at 62° F gives true specific gravities referred to water at 62° F when its indications are interpreted by specific gravity Table I (which is identical with Table B of Spirits' Act, 1880, 43 and 44 Vict, Ch 24) which is printed at the end of the books of Sikes's Tables which are supplied from England. On investigation the table was found to be in general correct. True proof-strengths were then calculated for glass hydrometer indications applicable to these specific gravities at all temperatures, allowance for expansion and contraction of the measuring glass hydrometer at the various temperatures being calculated and made.

For brass hydrometers the contraction and expansion allowances proper to such instruments were also duly made.

3 The calculations of the true specific gravities of the various proof-strengths referred to water at 62° F were made by means of expansion-figures used inversely. The figures first taken for expansion were those of Baumhauer, Recknagel, Kopp, and others, and these were extended and interpolated by means of a co-ordinate diagram and double differences. Many pyknometer weighments were also made and compared with the data thus found. The specific gravities finally arrived at were then compared with those of Gilpin and Blagden, Tralles and Mendeleeff. The variations between the four sets of tables at no part exceed 0.3 of a proof-degree.

4 Generally, the least discrepancies from Sikes's present proof strengths were found in the first tables (those derived here from the expansion tables of the abovementioned investigators), the most by those of Mendeleeff, and the mean between these by those of Gilpin and Blagden and of Tralles.

Tralles's tables were finally selected for use as being the mean of the four sets of tables, and also because they give figures to confirm the allowances to be made for expansion or contraction of glass hydrometers.

These, therefore with Otto Hehner's Tables\* of the specific gravities of mixtures of alcohol and water at 60° F, compared with water at 60° F, finally formed the basis of the work.

\* "The Analyst," Vol. V

C H BEDFORD,

*Director, Central Excise Laboratory for  
India*

CENTRAL EXCISE LABORATORY FOR INDIA,

Kasauli, 15th January 1908

*Note on adjustment of Sikes's hydrometers for use in India at 62° F. in future, instead of at 51° F. as at present*

With regard to the inaccuracies discovered here in connection with the employment of Sikes's hydrometer and tables certain other allied considerations require notice

Sikes's hydrometer itself should be adjusted for Indian conditions at 62° F, instead of as at present at 51°, which, however suitable it may be considered for the conditions of a temperate climate, is much less suitable for spirit-proving operations under Indian conditions.

This change is required for the following reasons —

(1) The differences in readings between brass and glass hydrometers become greater as the temperature rises above the temperature at which these instruments are adjusted. This is due to differences in rate of expansion on heating between glass and brass.

For example, a spirit at 50° U P of specific gravity 9009 at 62° F, compared with water at 62° F would at 85° F appear to be 0007 heavier than it should be if measured by a brass hydrometer (adjusted at 62° F), and 0003 if by a glass hydrometer (adjusted at 62° F). If the same spirit is measured by a brass hydrometer adjusted at 51° F the reading would be a proof-strength equivalent to a specific gravity 0011 heavier than it should be, and if by a glass hydrometer adjusted at 51° F it would be a proof-strength equivalent to a specific gravity 0004 heavier than it should be.

These differences translated into proof-terms are as follows —

		Under-estimations 50° U P Spirit
Brass hydrometer adjusted at 62° F	9907=1.1	proof degrees or 2.2 per cent.
Glass	6004=0.5	proof-degree or 1 per cent.
Brass	at 51° F	=1.7 proof degrees or 3.4 per cent.
Glass		=0.7 proof degree or 1.4 per cent.

That is to say, there is a difference between glass and brass hydrometers adjusted at 62° F of about 1.2 per cent, and when adjusted at 51° F of about 2 per cent.

For temperatures above this (i.e., higher than 85° F) the divergence is proportionately greater, and for spirits of as low strength as 60° U P it is also relatively increased. The practical conclusion from the above is that if tables are based on adjustment at 62° F different tables for brass and glass hydrometers are required. If adjusted at 51° F such tables are even more necessary.

(2) Another reason for adjustment at 62° F is the fact that the specific gravities to which the hydrometer tables refer are only truly indicated by the hydrometer at 62° F. As it is upon this specific gravity table that checking of stocks by weight is based, the inaccuracies involved in applying them to hydrometer indications at higher temperatures become less as the temperature of adjustment of the instrument is itself higher. For issue for use with existing hydrometers sets of corrected tables are now available for glass, and

another set is under preparation for use with brass hydrometers. When the proposal regarding adjustment of all hydrometers for use in India at the more suitable temperature of 62° F has been sanctioned fresh tables for such glass and also for such brass hydrometers would be issued in due course along with the respective instruments. The preparation of these supplementary tables should not occupy us more than a month in all and it is anticipated that no extra staff will be required for this work.

C H BEDFORD

CENTRAL EXCISE LABORATORY FOR INDIA,  
*Kasauli, 15th January 1908*

LATER NOTE — Since the above note was written, the use of brass Sikes's hydrometers has in practice been restricted to district and shop-work only where the highest possible degree of accuracy is unnecessary. Consequently tables of the greatest accuracy are no longer necessary for use with brass hydrometers. For exact Excise spirit-proving operations, glass hydrometers are now in use throughout India. The question of adjustment of glass hydrometers at 62° F instead of 51° is held over for later consideration.

C H BEDFORD.

*Kasauli, 23rd January 1909*